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We finish strong.
MISSION

- To manufacture the highest quality EIFS, stucco and related products (coatings, adhesives, etc.) available in the market.
- To be the service leader of our industry in the region and areas where we market our products.
- To be respected in our industry because of honesty and integrity within our ranks.
- To encourage our employees to set the highest standards possible for their careers and their personal lives by supporting them through education, training and sharing any God given wisdom we may obtain. To compensate all employees in such a way that they can support themselves and their families in a comfortable manner.
- To seek God’s guidance in all decisions, and to give Him glory for any results.

Building a culture of excellence.

At Master Wall, it’s what’s on the inside and outside that counts.

On the inside, we’re a company founded on the principles of honesty, service and integrity. Our commitment to building a culture of excellence starts with an understanding that reliability and responsiveness are at the core of a productive customer relationship. It’s an understanding that sets our company apart. On the outside, we strive to develop, manufacture and distribute the highest quality exterior systems to a regional, national and global marketplace. Our products include Fiberstucco, EIFS, Acrylic Finishes, Interior Coatings, Drainage Systems and Liquid Applied Barriers. Architects, builders and contractors can trust and depend on Master Wall for competitive pricing and maximum performance. After all, our people and products have been finishing strong for over 25 years.

Finishing strong for over 25 years.

Master Wall, Inc. began in 1987 with the simple goal of manufacturing the best products available in the market place, crafted by people who care about the industry. We experienced early success in residential and commercial construction, serving primarily the southeastern United States.

Over the years, product acceptance and recognition grew. Applicators appreciated the smooth workability for better-looking jobs while Architects trusted the common-sense approach to design assistance. Continued growth helped Master Wall expand to national distribution and recognition. Today, we are part of a global network.

Manufacturing expanded rapidly to meet product demand. Starting from a relatively small facility, new personnel and equipment were added to improve production and efficiency. Our Lithonia, Georgia manufacturing plant and our Columbus, Georgia corporate facilities now occupy over 50,000 square feet. We also have manufacturing facilities in Utah and Texas.

Care and experience is key to a quality product. Steve Smithwick, President of Master Wall, has over 40 years experience in blending and process manufacturing. He served for seven years as a plant manager for a leading EIFS manufacturer in the United States and was instrumental in setting up that company’s largest domestic operation and first overseas facility. Additionally, Master Wall has assembled a management team with over 100 years experience in the EIFS industry. Our team consists of all facets of business associated with our trade: Sales, sales management, technical field services, architectural support services, national account services, product development and financial management.
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Air/Water Barriers and Flashings
Designing and specifying the proper air and water barriers can be a challenge. Master Wall® manufactures a variety of continuous barriers to meet the needs of all types of commercial and residential projects and applications. Integrating continuous barriers eliminates problematic rips and tears that are common with traditional paper or wrap-type barriers. Master Wall® manufactures Rollershield, Trowelshield and WeatherStop secondary water barriers for use with Master Wall® assemblies and other exterior systems. All are 100% acrylic formulations for long life.

Base Coats and Adhesives
Master Wall® Base Coats are formulated for use with our Master Wall® EIFS, Stucco and Direct Application Systems. They may also be used as an insulation adhesive for certain approved substrates.

Meshes, Insulation, and Modifiers
Master Wall® reinforcing mesh provides tensile and impact resistance for Master Wall® systems. Available with Medium Impact Resistance using Standard Mesh, we offer a variety of impact-resistance ratings and mesh weights. Master Wall® Aggre-flex Mesh is a specially woven, glass fiber mesh with AR Coating (Alkali Resisitve).

Architectural Coatings and Primers
Architectural coatings are available for new construction or renovation projects. Whether the desire is to rejuvenate the face of an aged finish or a bold look on new construction, Master Wall® has the products you need for the desired look. Roller-flex architectural coating is used for color changes, trims and bands. Roller-flex is perfectly compatible with Master Wall® finishes. Elasto-flex is our elastomeric coating. It dries to a flat finish and bridges minor hairline cracks in stucco or other approved substrates. Primecoat primer is used to equalize finish absorption and provide a color background under Stone Finishes, Master Wall® Base Coats and Stuccos.

Cemplaster Fiberstucco
Master Wall Inc.® Cemplaster Fiberstucco is the industry’s first comprehensive warranted stucco. With warranties available up to 20 years, Cemplaster Fiberstucco offers architects the advantage of adding improved performance components such as Rollershield Air/Water Barrier, Continuous Insulation, Rainscreen options, Stucco Ad-Liquid stucco modifiers, leveling base coats (including waterproof) and elastomeric finishes. Master Wall® Cemplaster Fiberstucco is a fibered Portland cement-based bagged stucco with exceptional workability, open working time, water retention, early strength, shrinkage resistance and long-term durability.
Superior Finishes are Master Wall Inc.'s® textured finish line. Available in a variety of colors and textures, it completes the look of your building. In addition to many standard colors, we also custom color match. Superior Finishes may be applied over Master Wall® Base Coats or prepared substrates including brick, masonry, concrete and stucco. Superior Finishes work great for interior applications as well. Superior Finishes are available in five-gallon (19L) pails and are typically troweled onto the wall surface with a stainless steel trowel.
Rollershield Drainage EIFS
Class PB Drainage Exterior Insulation and Finish System

Master Wall Inc.® Rollershield Drainage Class PB Drainage Exterior Insulation and Finish System is a high performance commercial wall cladding. It uses a roller-applied air and water barrier that can be used as a flashing-type material with excellent water holdout. Vertical adhesive channels drain away any incidental water entering the system. This highly adaptable cladding is suitable for both new and retrofit construction.

Features & Benefits
- 99% Drainage Efficiency
- High Insulating Value (R-4 per inch)
- CFC & HCFC Free Insulation Board, Recyclable
- Medium Impact Resistance is Standard

System Use
- Commercial
- Residential

Attachment Method
- Adhesive

Trowelshield Drainage EIFS
Class PB Drainage Exterior Insulation and Finish System

Master Wall Inc.® Trowelshield Drainage Class PB Drainage Exterior Insulation and Finish System is a high performance commercial wall cladding. It uses a thick trowel-applied air and water barrier that can be used as a flashing-type material with excellent water holdout. Vertical adhesive channels drain away any incidental water entering the system. This highly adaptable cladding is suitable for both new and retrofit construction.

Features & Benefits
- 99% Drainage Efficiency
- High Insulating Value (R-4 per inch)
- CFC & HCFC Free Insulation Board, Recyclable
- Medium Impact Resistance is Standard

System Use
- Commercial
- Residential

Attachment Method
- Adhesive
Aggre-flex System

Class PB Exterior Insulation and Finish System

Master Wall Inc.® Aggre-flex System is a polymer-based (Class PB) Exterior Insulation and Finish System (EIFS) that blankets commercial projects with a layer of protective insulation reducing thermal losses at framing members and better insulating the entire building. The Aggre-flex System offers many options from its weather-resistant monolithic exterior to design flexibility and ease of design. It has the visual appeal that architects and owners look for without the weight or expense of traditional materials.

Features & Benefits
- High Insulating Value (R-4 per inch)
- Design Flexibility
- Medium Impact Resistance is standard

System Use
- Commercial

Attachment Method
- Mechanical
- Adhesive

Approved Substrate
- Master Wall® Adhesive
- Superior Finish
- Master Wall® Base Coat & Mesh
- Master Wall® Insulation Board

Aggre-flex Drainage System

Class PB Drainage Exterior Insulation and Finish System

Master Wall Inc.® Aggre-flex Drainage System is a mechanically attached polymer-based (Class PB Drainage) Exterior Insulation and Finish System (EIFS). The system is applied over an approved secondary water barrier that helps protect the building from incidental water intrusion while insulating the entire building in a blanket of protective insulation. Aggre-flex Drainage may be installed with flat insulation board, Master Wall® wavy insulation board or a drainage spacer.

Features & Benefits
- 97% Drainage Efficiency
- High Insulating Value (R-4 per inch)
- Medium Impact Resistance is standard

System Use
- Commercial
- Residential

Attachment Method
- Mechanical
Rollershield LAB
Liquid Applied Air and Water Barrier

The Rollershield LAB Liquid Applied Air/Water Barrier system works under all claddings that require a secondary water barrier including stone, brick, stucco and Master Wall Inc.® EIFS. The system consists of the following components:

- Rollershield Air/Water Barrier, supplied in 5-gallon (19L) pails
- Rollershield Flashing Tape for openings and sheathing applications

Rollershield is applied with a foam roller or spray equipment to 10 mils dry thickness and forms a continuous water barrier. Sheathing board joints and transitions are reinforced with Rollershield Flashing Tape.

System Use
Commercial
Residential

QRW1 Drainage EIFS
Class PI Drainage Exterior Insulation and Finish System

Master Wall Inc.® QRW1 system is a durable drainage system made for residential and light commercial construction. It’s large insulation boards install easily and quickly over an approved water barrier. QRW1 may also use optional vent spacers or drainage mats for improved drainage.

Features & Benefits
- 98% Drainage Efficiency
- High Insulating Value (R-5 per inch)
- Easy Application

System Use
Commercial
Residential

Attachment Method
Mechanical
We finish strong.

On Multi-Family

Whether you are developing luxury apartments, assisted-living centers, or sprawling multi-use facilities, Master Wall® is here to serve you. From engineered Camplaster Fiberstucco to Exterior Insulation and Finish Systems, we can incorporate Rollershield Liquid Applied Barrier, to protect your investment long term. With industry-leading warranties and reliability, you can rest assured that your development is in good hands. With no cost plan reviews and technical services, Master Wall® offers the services you need when you need them most.

On Medical and Public Works

When the time comes to build or renovate buildings that the community relies on, you need products and systems you can trust. With Master Wall® you can have it all. From Hurricane Impact Systems to a diverse offering of base coats and meshes, we can help design a system that protects your project and offers LEED credits to help your community stand apart. From textured finish to smooth coatings, we can help your new project be all you want it to be or bring that old community building back to life.

On Industrial

Warehouses and office buildings incorporate complex designs to create the most efficient use of the space available. Sometimes a simple exterior can complement that design. Master Wall® Recote offers a simple finish solution over concrete and other surfaces. If you are looking to add R-value through exterior insulation, consider Master Wall® Aggre-flex EIFS. No matter the complexity of your design, we can offer products and systems to meet your needs.
On Residential

We understand that a home is one of a client’s most cherished investments. With this in mind, we have created cost-effective solutions to meet the needs of a diverse marketplace. From Master Wall’s® high-quality Cemplaster Fiberstucco and other time-tested, custom-designed systems to endless exterior and interior colors and textures with Master Wall® Superior finish, we have the solutions to meet your needs.

On Hospitality

Owners and developers are constantly updating specifications and looking to stay on the cutting edge of design innovations. Master Wall® understands these challenges and embraces these opportunities. We have developed systems to protect and keep properties sustainable for the long term. Whether your design incorporates metal panels, brick, granite, limestone, or a more traditional textured finish, Master Wall® Rollershield EIFS can offer a single-source solution for whatever designs you choose.

On Retail

Customers are looking for a fresh face when they go shopping. From bright colors and traditional tones to old world textures, Master Wall® can help create a beautiful exterior that welcomes consumers. With custom tinting services and on-site assistance, we can help create and finish projects clients will enjoy well into the future. Multiple tenants need multiple solutions, and Master Wall® has the diversified products and systems to meet those expectations.

masterwall.com
Cemplaster Fiberstucco Base 5

Cemplaster Fiberstucco Base 5 is the economical choice in engineered stucco. The ½” thick Cemplaster Fiberstucco application incorporates Master Wall® Primecoat Primer for better color retention and adhesion along with our durable Superior Finish and a 5-year warranty. Upgrade to our Mid 7 system with Superior Elastomeric Plus finish for better flexibility and crack-bridging properties and a 7-year warranty.

Features & Benefits
- Fiber-reinforcement for better crack resistance
- Superior Elastomeric Plus Finish bridges hairline cracks
- 5-year labor/material warranty

System Use
- Commercial
- Residential
- Mechanical

Cemplaster Fiberstucco RS 12

Cemplaster Fiberstucco RS 12 takes the most popular components of a stucco with consideration for value. It incorporates Master Wall’s® Rollershield LAB as the initial barrier over the approved substrate to offer a monolithic Air and Water Barrier installation to both seal and protect. Components also include Primecoat Primer and Superior Elastomeric Plus Finish. This system carries a 12-year labor/material-type warranty.

Features & Benefits
- 100% weather protection
- Bridges hairline cracks
- 12-year labor/material-type warranty

System Use
- Commercial
- Residential
Cemplaster Fiberstucco CI offers components found in a high value stucco system and incorporates Continuous Insulation to meet new and expanding energy codes. Extruded insulation board is available in 1” (25 mm) with R-5, 1-1/2” (38 mm) with R-7.5 and 2” (51 mm) with R-10. Options also include Master Wall® Rollershield LAB, Stucco Ad-Liquid, leveling base coat and impact resistant mesh, Primecoat Primer and Master Wall® Superior Standard or Elastomeric Plus Finishes. This system carries up to a 17-year labor/material-type warranty.

Features & Benefits
- Energy Efficient
- Crack Resistant
- 17-year labor/material-type warranty

System Use
- Commercial
- Residential

Cemplaster Fiberstucco C-Plus

Cemplaster Fiberstucco C-Plus includes the same quality components as the RS 12 system with an upgraded installation of Master Wall® base coat and mesh. The base coat and mesh offers crack resistance as well as leveling capabilities for the finish application. Options include Weatherstop Stucco base coat for air and water protection. This system carries a 14-year labor/material-type warranty.

Features & Benefits
- Leveling and impact resistance
- 100% weather protection
- 14-year labor/material type-warranty

System Use
- Commercial
- Residential
Division 09 Assemblies

**Stucco Cement Board Coatings**
Direct Applied Exterior Finish System

Stucco Cement Board coatings are applied over a high-strength water-managed ASTM C1325 or C1186 cement board. The application provides high impact and weather resistance where exterior insulation value is not required. The cement board installs easily over approved framing and substrates using one of two methods:
- Over an approved structural sheathing in conditioned northern or southern climates.
- Directly to structurally-controlled framing in southern climates (below 4000 heating degree days) or unconditioned northern climates.

**Features & Benefits**
- Easily Applied
- Durable Surfacing System
- Impact Resistant
- May be used with drainage mats
- Foam trim easily added

**System Use**
- Commercial
- Residential

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**Finishes over Stucco**
Textured Acrylic Finish System

Superior Finishes applied over a traditional stucco base makes projects look better. Our finishes offer better color and texture consistency compared to traditional cement textures. We suggest optional Primecoat Primer for even better color consistency. To bridge minor hairline cracks in stucco specify Superior Elastomeric Plus Finish. The textured finish is designed to stretch with the minor hairline cracking common in stucco.

**Features & Benefits**
- Better Color Consistency
- Easy Application
- Works over all traditional stuccos

**System Use**
- Commercial
- Residential

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**Approved Substrate**
- Master Wall® Base Coat & Mesh
- Master Wall® Cement Board Mesh

**Cement Board**
- ASTM C926 Stucco

**Superior Finish**
- Master Wall® Primecoat Primer (optional)
- Superior Finish

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**Division 09 Assemblies**

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**ICF Coating System**  
**Direct Applied Exterior Finish System**

Insulated Concrete Form (ICF) structures are made for Master Wall® finishes. Most forms feature recessed ties making the installation as simple as rasping and leveling the forms followed by a Master Wall® base coat with either standard or an upgraded reinforcing mesh. Our Superior Finish is applied to complete the job.

**Features & Benefits**  
Easily Applied Durable Finish  
Design flexibility  
Medium-Impact Resistance is Standard

**System Use**  
Commercial  
Residential

**Attachment Method**  
Mechanical  
Adhesive

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**Soffit System**  
**Direct Applied Exterior Finish System**

The Master Wall Inc.® Soffit System application greatly improves the looks of any eave, overhang, canopy or large soffit. The textured surface and installed system is impact resistant and durable, yet with an economical cost compared to other soffit alternatives.

**Features & Benefits**  
Easy Installation  
Great aesthetics  
Economical  
Fire Resistant

**System Use**  
Commercial  
Residential
Warranties

- Warranties are important. Master Wall Inc.® views the warranty process as the final handshake with the owner, and we take care to process them quickly. Finishing strong means your project closeout will go smoothly.

- Our Cemplaster Fiberstucco offers preset packages with different limited warranty lengths, or you can custom design your own system following our guidelines. We’re available every step of the way with product selection assistance and design review.

- All of our Exterior Insulation and Finish Systems offer competitive limited warranties with labor and material coverage for defective materials. All drainage systems are warranted for drainage of incidental water for the full warranty term.

- Not all standard warranties fit custom projects. If you’re looking to design an extended warranty for your project, please contact a Master Wall Inc.® Sales Representative or Technical Services.

Master Wall Inc.® offers both labor and labor/material-type warranties depending upon product and system selection. Please reference the sample warranties for the selected system or contact us for a sample copy.
Master Wall® Mission

- To manufacture the highest-quality EIFS, stucco and related products (coatings, adhesives, etc.) available in the market.

- To be the service leader of our industry in the region and areas where we market our products.

- To be respected in our industry because of honesty and integrity within our ranks.

- To encourage our employees to set the highest standards possible for their careers and their personal lives by supporting them through education, training and sharing any God-given wisdom we may obtain.

- To compensate all employees in such a way that they can support themselves and their families in a comfortable manner.

- To seek God’s guidance in all decisions, and to give Him glory for any results.
We finish strong...

On Technical Support
We understand that when you have questions you want timely answers. Whether it’s the application of a finish, product selection assistance or a design detail, we work hard to provide superior service.

Technical Support is your one-stop location for all training, application and certification. Tired of just talk? We can provide customized answers in writing along with customized submittal packages thoughtfully reviewed by a person, not a computer. Of course the job isn’t finished until the warranties are processed. Master Wall® has the fastest warranty turn-around in our industry.


**Superior Color Selector**

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<tr>
<td>#227</td>
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*ALL COLORS SHOWN HERE ARE INTENDED TO SHOW APPROXIMATE COLOR OF THE FINISH. Do not use this color chart as the final selection as colors are affected by age, texture, lighting conditions, heat and application processes. Color swatches will vary in color and finish to the actual product due to jobsite conditions and methods of applications.*
Actual color selection should be made from a 1'x1' sample of each color, texture and finish made by the applicator who is actually completing the project. Master Wall manufactures 100% pure acrylic finishes, “The Quality is in the Pail”
Information contained in this product data sheet conforms to the standard detail recommendations and specifications for the installation of Master Wall Inc. products and is presented in good faith. Master Wall Inc. assumes no liability, expressed or implied as to the architecture, engineering, or workmanship of any project. This information may be concurrent with, or superseded by other applicable documents, such as specifications and details. Contact Master Wall Inc. for the most current product information.
Rollershield Drainage EIFS

Master Wall Inc.® Rollershield Drainage Class PB Exterior Insulation and Finish System is a high performance commercial wall cladding. It uses a roll-applied air and water barrier that can be used as a flashing-type material with excellent water holdout. Vertical adhesive channels drain away any incidental water entering the system. This highly adaptable cladding is suitable for both new and retrofit construction.
Rollershield Drainage EIFS

Short Form Specification

1.0 General
This is a short form specification. Refer to Rollershield Drainage EIFS specifications and details for additional information.

1.1 System Description
The Master Wall® Rollershield Drainage Exterior Insulation and Finish System (EIFS) is a Class PB (Polymer Based) EIF System consisting of a roll-applied water barrier, vertical channel adhesive attachment, insulation board, reinforcing mesh and a textured finish.

1.2 Design Requirements:
A. Reference Master Wall® suggested details and architectural drawings for specific detail requirements.
B. Slope all surfaces a minimum of 1:2 (6” in 12”) to shed water, maximum 12” (305mm) wide.
C. Maximum deflection of substrates shall not exceed L/240.
D. Typical acceptable substrates include unpainted brick, masonry, concrete, Portland cement plaster (stucco), exterior grade gypsum sheathing (ASTM C1396), Glass Fiber Sheathing (ASTM C1177), CDX exterior grade plywood, Exposure 1 Oriented Strand Board (OSB).
E. Expansion joints are required in the cladding at building expansion joints, panel joints, floor lines in wood framed construction, and other areas where significant movement occurs.

1.3 Quality Assurance
A. The Rollershield Drainage System shall be recognized by local building codes.
B. The system shall be meet or exceed ASTM C1397 and detailed in accordance with ASTM E2511.
C. The system shall have been tested for fire performance in accordance with ASTM E108, ASTM E-84, NFPA 265, and NFPA 268.
D. The system shall have been tested for drainage performance in accordance with ASTM E331.

1.4 Job Conditions
A. Store all materials protected from weather and direct sunlight at temperatures above 40°F (5°C).
B. The ambient and wall temperature shall be a minimum of 40°F (5°C) and shall remain so for at least 24 hours after installation.

2.0 Products
All components of the Rollershield Drainage System shall be manufactured by Master Wall® and supplied by an authorized distributor.
A. Water Barrier & Flashing Tapes:
   Rollershield: A 100% pure acrylic-based roll-applied weather-resistive barrier.
   Trowelshield: A 100% pure acrylic-based trowel grade water-resistive barrier.
   Rollershield Mesh Tape: A lightweight joint treatment material.
   Rollershield Flashing Tape: A lightweight nonwoven joint treatment material.
B. Master Wall Adhesives:
   1. Foam & Mesh Adhesive (F&M), F&M Plus: A 100% pure acrylic-based adhesive that is field mixed with Portland cement.
   2. Master Wall® Bagged Base (MBB), MBB Plus: A ready to use dry base that is field mixed with water.
   3. Guardian: A waterproof 100% pure acrylic-based fiber reinforced adhesive that is field mixed with Portland cement.
C. Master Wall Insulation Board: Molded Expanded Polystyrene insulation board manufactured to Master Wall® specifications.
E. Master Wall Base Coats:
   1. Foam & Mesh Adhesive (F&M), F&M Plus.
   2. Master Wall® Bagged Base (MBB), MBB Plus.
   3. Guardian.
F. Superior Finish: 100% pure acrylic formulation with integral color and texture. Perfect Swirl 2.0 (Perfect), Fine Sand 1.0 (Spray), Medium Sand 1.5 (Desert Sand), Versatex 0.5 (Refinish) textures.
G. Specialty Finishes: Specialty finish blends of natural and man-made decorative specialty finishes and accents.
H. Master Wall Coatings:

3.0 Installation
A. Inspect the substrate to ensure that it is free of all foreign materials that would affect the adhesion of the Rollershield Drainage EIFS System.
B. Apply the system in strict accordance with Master Wall® specifications, product data sheets, architectural drawings and architectural specifications.
Master Wall Inc.® Aggre-flex Drainage System is a mechanically attached polymer based (Class PB Drainage) Exterior Insulation and Finish System (EIFS). The system is applied over an approved secondary water barrier that helps protect the building from incidental water intrusion while insulating the entire building in a blanket of protective insulation. Aggre-flex Drainage may be installed with flat insulation board, Master Wall wavy insulation board or a drainage spacer.

**Features & Benefits**
- 97% Drainage Efficiency
- High Insulating Value (R-4 per inch)
- Medium Impact Resistance is standard

**System Use**
- Commercial
- Residential

**Attachment Method**
- Mechanical
Short Form Specification

1.0 General
This is a short form specification. Refer to Aggre-flex Drainage specifications and details for additional information.

1.1 System Description
The Master Wall Inc.® Aggre-flex Drainage Exterior Insulation and Finish System (EIFS) is a Class PB (Polymer Based) EIF System consisting of mechanical attachment, insulation board, reinforcing mesh and a textured finish applied over a secondary weather-resistant barrier.

1.2 Design Requirements:
A. Reference Master Wall® suggested details and architectural drawings for specific detail requirements.
B. Slope all surfaces a minimum of 1:2 (6” in 12”) to shed water, maximum 12" (305 mm) wide.
C. Maximum deflection of substrates shall not exceed L/240.
D. Typical acceptable substrates include exterior grade gypsum sheathing (ASTM C1396), Glass Fiber Sheathing (ASTM C1177), CDX exterior grade plywood, Exposure 1 Oriented Strand Board (OSB). Contact Master Wall for other approved substrates.
E. A code-approved weather-resistive barrier is required over the substrate.
F. Expansion joints are required at building expansion joints, panel joints, floor lines in wood framed construction, and other areas where significant movement occurs.
G. Detail and install drainage trim accessories according to the approved trim manufacturer’s requirements (Plastic Components, Vinyl Corp. or approved equal).

1.3 Quality Assurance
A. The Aggre-flex Drainage System shall be recognized by current applicable building codes.
B. The system shall be meet or exceed ASTM C1397 and detailed in accordance with ASTM E2511.
C. The system shall have been tested for fire performance in accordance with ASTM E108, ASTM E-84, NFPA 265 & NFPA 268.
D. The system shall have been tested for water resistance in accordance with ASTM E331.

1.4 Job Conditions
A. Store all materials protected from weather and direct sunlight at temperatures above 40°F (5°C).
B. The ambient and wall temperature shall be a minimum of 40°F (5°C) and shall remain so for at least 24 hours after installation.

2.0 Products
All components of the Aggre-flex Drainage System shall be manufactured by Master Wall Inc.® and supplied by an authorized distributor.
A. Master Wall® Approved Fasteners: Wind-Lock Wind Devil 2 washer and appropriate fastener or approved equal.
B. Master Wall® Insulation Board: Molded Expanded Polystyrene insulation board manufactured to Master Wall specifications.
   - Flat or wavy (grooved) insulation as required by the project specifications.
C. Aggre-flex Mesh: Available in Standard, Detail, Hi-Tech, Medium, Strong and Ultra.
D. Master Wall® Base Coats:
   1. Foam & Mesh Adhesive (F&M), F&M Plus: A 100% pure acrylic-based adhesive that is field mixed with Portland cement.
   2. Master Wall Bagged Base (MBB), MBB Plus: A ready to use dry base that is field mixed with water.
   3. Guardian: A waterproof 100% pure acrylic-based fiber reinforced adhesive that is field mixed with Portland cement.
E. Superior Finish: 100% pure acrylic formulation with integral color and texture. Perfect Swirl 2.0 (Perfect), Fine Sand 1.0 (Spray), Medium Sand 1.5 (Desert Sand), Versatex 0.5 (Refinish) textures.
F. Specialty Finishes: Specialty finish blends of natural and man-made decorative specialty finishes and accents.
G. Master Wall Coatings:

3.0 Installation
A. Inspect the substrate to ensure that it is free of all foreign materials that would affect the application of the Aggre-flex Drainage System.
B. Apply the system in strict accordance with Master Wall® specifications, product data sheets, architectural drawings and architectural specifications.

We finish strong.
Master Wall Inc.® Aggre-flex System is a polymer-based (Class PB) Exterior Insulation and Finish System (EIFS) that blankets commercial projects in a layer of protective insulation reducing thermal losses at framing members and better insulating the entire building. The Aggre-flex System offers many options from its weather-resistant monolithic exterior to design flexibility and ease of design. It has the visual appeal that architects and owners look for without the weight or expense of traditional materials.
Aggre-flex System

Short Form Specification

1.0 General
This is a short form specification. Refer to Aggre-flex specifications and details for additional information.

1.1 System Description
The Master Wall Inc.® Aggre-flex Exterior Insulation and Finish System (EIFS) is a Class PB (Polymer Based) EIF System consisting of mechanical or adhesive attachment, insulation board, reinforcing mesh and a textured finish.

1.2 Design Requirements:
A. Reference Master Wall® suggested details and architectural drawings for specific detail requirements.
B. Slope all surfaces a minimum of 1:2 (6” in 12”) to shed water, maximum 12” (305 mm) wide.
C. Maximum deflection of substrates shall not exceed L/240.
D. Typical acceptable substrates include unpainted brick, masonry, concrete, Portland cement plaster (stucco), exterior grade gypsum sheathing (ASTM C1396), Glass Fiber Sheathing (ASTM C1177), CDX exterior grade plywood, Exposure 1 Oriented Strand Board (OSB). Contact Master Wall® for other approved substrates.
E. Expansion joints are required at building expansion joints, panel joints, floor lines in wood framed construction, and other areas where significant movement occurs.

1.3 Quality Assurance
A. The Aggre-flex System shall be recognized by local building codes.
B. The system shall be meet or exceed ASTM C1397 and detailed in accordance with ASTM E2511.
C. The system shall have been tested for fire performance in accordance with ASTM E108, ASTM E-84, NFPA 265, and NFPA 268.
D. The system shall have been tested for water resistance in accordance with ASTM E331, IBC 12 (Section 1403.2).

1.4 Job Conditions
A. Store all materials protected from weather and direct sunlight at temperatures above 40°F (5°C).
B. The ambient and wall temperature shall be a minimum of 40°F (5°C) and shall remain so for at least 24 hours after installation.

2.0 Products
All components of the Aggre-flex System shall be manufactured by Master Wall Inc.® and supplied by an authorized distributor.

A. Master Wall® Adhesives & Fasteners:
   1. Foam & Mesh Adhesive (F&M), F&M Plus: A 100% pure acrylic-based adhesive that is field mixed with Portland cement.
   2. Master Wall® Bagged Base (MBB), MBB Plus: A ready to use dry base that is field mixed with water.
   3. Guardian: A waterproof 100% pure acrylic-based fiber reinforced adhesive that is field mixed with Portland cement.
   4. Fastener: Wind-Lock Wind Devil 2 washer and appropriate fastener or approved equal.
B. Master Wall® Insulation Board: Molded Expanded Polystyrene insulation board manufactured to Master Wall specifications.
C. Aggre-flex Mesh: Available in Standard, Detail, Hi-Tech, Medium, Strong and Ultra.
D. Master Wall® Base Coats:
   1. Foam & Mesh Adhesive (F&M), F&M Plus.
   2. Master Wall® Bagged Base (MBB), MBB Plus.
   3. Guardian.
E. Superior Finish: 100% pure acrylic formulation with integral color and texture. Perfect Swirl 2.0 (Perfect), Fine Sand 1.0 (Spray), Medium Sand 1.5 (Desert Sand), Versatex 0.5 (Refinish) textures.
F. Specialty Finishes: Specialty finish blends of natural and man-made decorative specialty finishes and accents.
G. Master Wall® Coatings:

3.0 Installation
A. Inspect the substrate to ensure that it is free of all foreign materials that would affect the adhesion or attachment of the Aggre-flex System.
B. Apply the system in strict accordance with Master Wall® specifications, product data sheets, architectural drawings and architectural specifications.
The Rollershield LAB Liquid-applied Air/Water Barrier system works under all claddings that require a secondary water barrier including stone, brick, stucco and Master Wall® EIFS. The system consists of the following components:

- Rollershield Air/Water Barrier, supplied in 5 gallon (19L) pails
- Rollershield Flashing Tape for openings and sheathing applications

Rollershield is applied with a foam roller or spray equipment to 10 mils dry thickness and forms a continuous water barrier. Sheathing board joints and transitions are reinforced with Rollershield Flashing Tape.

100%

When it comes to keeping your building dry you want 100% protection, and can’t settle for less. Sheet water barriers have laps, gaps and are secured with fasteners...holes. At windows and doors peel and stick flashings don’t seal properly or lose bond over time.

The Rollershield LAB Air/Water Barrier System is a fluid applied secondary water barrier and flashing that offers 100% coverage with no laps, breaks or holes. It seals the substrate and protects the building.

Let me Breathe!

Like people, buildings breathe and are continuously passing water vapors around depending upon interior and exterior conditions. While Rollershield is an excellent water barrier, it’s also highly breathable (30 perms). This means that building moisture can pass easily and eliminates the problems posed by vapor barriers.

System Use
- Commercial
- Residential
Rollershield LAB

Short Form Specification

1.0 General
This is a short form specification. Refer to Rollershield LAB specifications and details for additional information.

1.1 System Description
The Master Wall Inc.® Rollershield LAB System is a liquid applied vapor permeable air and water barrier.

1.2 Design Requirements:
A. Reference Master Wall® suggested details and architectural drawings for specific detail requirements.
B. Maximum deflection of substrates shall not exceed L/240.
C. Typical acceptable substrates include unpainted brick, masonry, concrete, plywood, Oriented Strand Board (OSB) or gypsum sheathings (ASTM C1396 or C1177). Contact Master Wall® for other approved substrates.

1.3 Job Conditions
A. Store all materials protected from weather and direct sunlight at temperatures above 40°F (5°C).
B. The ambient and wall temperature shall be a minimum of 40°F (5°C) and shall remain so for at least 24 hours after installation.

2.0 Products
All components of the Rollershield System shall be manufactured by Master Wall Inc.® and supplied by an authorized distributor.
A. Water Barrier & Flashing Tapes:
   1. Rollershield: A 100% pure acrylic-based roll-applied weather-resistive barrier.
   2. Rollershield Flashing Tape: A lightweight nonwoven joint treatment material.

3.0 Installation
A. Inspect the substrate to ensure that it is free of all foreign materials that would affect the adhesion of the Rollershield LAB.
B. Apply the coatings in strict accordance with Master Wall® specifications, product data sheets, architectural drawings and architectural specifications.

ASTM C297 Tensile Bond
<table>
<thead>
<tr>
<th>Material</th>
<th>PSI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dens Glass Gold</td>
<td>31.6</td>
</tr>
<tr>
<td>Exterior Gypsum</td>
<td>28.2</td>
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<tr>
<td>OSB</td>
<td>40.4</td>
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<tr>
<td>Plywood</td>
<td>79.1</td>
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<td>Cement Board</td>
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<tr>
<td>Copper</td>
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<td>Galvanized Steel</td>
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<tr>
<td>Rigid PVC</td>
<td>168.2</td>
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<tr>
<td>Aluminum</td>
<td>184.2</td>
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<tr>
<td>Color Coated Aluminum</td>
<td>203.5</td>
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<tr>
<td>Stainless Steel</td>
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ASTM E96 Water Vapor Transmission
<table>
<thead>
<tr>
<th>Material</th>
<th>Water vapor transmission</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exterior Gypsum</td>
<td>Pass</td>
</tr>
<tr>
<td>Dens Glass Gold</td>
<td>Pass</td>
</tr>
<tr>
<td>Cement Board</td>
<td>Pass</td>
</tr>
<tr>
<td>OSB</td>
<td>Pass</td>
</tr>
<tr>
<td>Plywood</td>
<td>Pass</td>
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</tbody>
</table>

ASTM E2178 Air Permeability
<table>
<thead>
<tr>
<th>Material</th>
<th>Air permeability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exterior Gypsum</td>
<td>0.0002 cfm/ft² at 1.57 psf</td>
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</table>

ASTM E2357 Air Leakage Resistance
<table>
<thead>
<tr>
<th>Material</th>
<th>Air Leakage Resistance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exterior Gypsum</td>
<td>0.003 L/s.m² @ 75 Pa</td>
</tr>
<tr>
<td>Dens Glass Gold</td>
<td>0.02 L/s.m² @ 300 Pa</td>
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</tbody>
</table>

ASTM E-84 Combustibility
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<tr>
<th>Material</th>
<th>Combustibility</th>
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<tbody>
<tr>
<td>Flamespread-5</td>
<td>Pass</td>
</tr>
<tr>
<td>Smoke Developed-5</td>
<td>Pass</td>
</tr>
</tbody>
</table>

Information contained in this product data sheet conforms to the standard detail recommendations and specifications for the installation of Master Wall Inc.® products and is presented in good faith. Master Wall Inc.® assumes no liability, expressed or implied as to the architecture, engineering, or workmanship of any project. This information may be concurrent with, or superseded by other applicable documents, such as specifications and details. Contact Master Wall Inc.® for the most current product information. ©2014 Master Wall Inc.
Master Wall Inc.® QRW1 System is a durable drainage system made for residential & light commercial construction. Its large insulation boards install easily and quickly over an approved water barrier. QRW1 may also use optional vent spacers or drainage mats for improved drainage.

Features & Benefits
- 98% Drainage Efficiency
- High Insulating Value (R-5 per inch)
- Easy Application

System Use
- Commercial
- Residential

Attachment Method
- Mechanical
1.0 General
This is a short form specification. Refer to QRW1 Drainage specifications and details for additional information.

1.1 System Description
The Master Wall Inc.® QRW1 Drainage Exterior Insulation and Finish System (EIFS) is a Class PI EIF System consisting of mechanical attachment, insulation board, reinforcing mesh and a textured finish.

1.2 Design Requirements:
A. Reference Master Wall Inc.® suggested details and architectural drawings for specific detail requirements.
B. Slope all surfaces a minimum of 1:2 (6” in 12”) to shed water, maximum 12” (305mm) wide.
C. Maximum deflection of substrates shall not exceed L/240.
D. Typical acceptable substrates include painted or unpainted brick, unit masonry, concrete, stucco brown coat, exterior grade gypsum sheathing (ASTM C1396), Dens Glass Gold® (ASTM C1177), CDX exterior grade plywood, Exposure 1 Oriented Strand Board (OSB).
Contact Master Wall® for other approved substrates.
E. A code-approved weather-resistant barrier is required over the substrate.
F. Expansion joints are required at building expansion joints, panel joints, floor lines in wood framed construction, and other areas where significant movement occurs.
G. Control joints are required to be located by the designer. Reference Master Wall® specifications for specific recommendations.
H. Detail and install trim accessories according to the approved trim manufacturer’s requirements (Plastic Components, Vinyl Corp. or approved equal).

1.3 Quality Assurance
A. The system shall be tested for: Accelerated weathering, mildew resistance, salt spray resistance and structural performance.
B. The system shall have been tested for fire performance in accordance with ASTM E84.

1.4 Job Conditions
A. Store all materials protected from weather and direct sunlight at temperatures above 40°F (5°C).
B. The ambient and wall temperature shall be a minimum of 40°F (5°C) and shall remain so for at least 24 hours after installation.

2.0 Products
All components of the QRW1 Drainage System shall be manufactured by Master Wall Inc.® and supplied by an authorized distributor.
A. Master Wall® Approved Fasteners: Wind-Lock ULP-402 washer and appropriate fastener or approved equal.
B. Polyisocyanurate Insulation Board: Thermax Quik-R by Dow or Stucco Shield II by Atlas Energy Products Division or Master Wall Inc.® approved equal.
C. Aggre-flex Mesh: Available in Standard, Detail, Hi-Tech, Medium, Strong and Ultra.
D. Master Wall® Base Coats:
   1. Foam & Mesh Adhesive (F&M), F&M Plus: A 100% pure acrylic-based adhesive that is field mixed with Portland cement.
   2. Master Wall Bagged Base (MBB), MBB Plus: A ready to use dry base that is field mixed with water.
   3. Guardian: A waterproof 100% pure acrylic-based fiber reinforced adhesive that is field mixed with Portland cement.
F. Specialty Finishes: Specialty finish blends of natural and man-made decorative specialty finishes and accents.
G. Master Wall® Coatings:

3.0 Installation
A. Inspect the substrate to ensure that it is free of all foreign materials that would affect the application of the QRW1 Drainage System.
B. Apply the system in strict accordance with Master Wall® specifications, product data sheets, architectural drawings and architectural specifications.

We finish strong.
More Choices...More Warranties

Master Wall® Cemplaster Fiberstucco is an engineered, fiber-reinforced stucco. It offers the durability of traditional stucco with easier application better product consistency and durability.

Cemplaster Fiberstucco is available as a basic system (stucco & finish) or it can be upgraded with additives, rainscreens, continuous insulation leveling base coats and finishes.

1. Water Barriers from simple to high tech Master Wall Rollershield air/water barrier
2. Continuous Insulation Option reduces heat loss and meets new energy code requirements
3. Drainage Spacers from woven to rainscreens
4. Metal Lath from lightweight to heavy duty
5. Cemplaster Fiberstucco from basic to highly modified
6. Leveling Base Coats & Meshes Improves aesthetics and performance
7. Primers Conditions the Surface and improves color consistency
8. Finish Options from Superior to Elastomeric Plus

Up To 20 Year Labor/Material Limited Warranty

P. O. Box 397
Fortson, GA 31808
800-755-0825
Technical 800-760-2861
masterwall.com

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Available Options

Weather Resistive Barriers (WRB)
WRB’s provide secondary weather protection for the stucco application. A minimum of two layers is required over sheathing applications. For CMU and masonry, many architects are specifying secondary protection as well.

- 2-layers of ASTM D226 Asphalt Felt (over sheathing) – Minimum requirement
- 1-layer of Tyvek® StuccoWrap® with 1-layer of ASTM D226 Asphalt Felt – Improved weather protection with an easier installation.
- Master Wall Rollershield with 1-layer of ASTM D226 Asphalt Felt (over sheathing) – Fluid applied Rollershield offers 100% weather protection and doesn’t rattle in the wind. It can be flashed into openings and has an extremely low air infiltration rate with good vapor permeability.
- Master Wall Rollershield over concrete or masonry – The same benefits of Rollershield over sheathing. No additional water barriers are required, lath must be used.

Continuous Insulation (CI)
Meet new energy codes with continuous insulation. Extruded insulation board is available in 1” (25 mm) with R-5, 1-1/2” (38 mm) with R-7.5 and 2” (51 mm) with R-10.

Drainage Mats or Spacers (DRS)
Providing even a small drainage space may be desired in certain climates to form a true capillary break in the wall system. Options range from simple drainage mats to true rainscreen protection.

- None – Follows traditional stucco application practices.
- Drainage Mat – Manufactured by Keene®, Benjamin Obdyke® or others, these products use a randomly woven mat to provide a slight space for drainage.
- Rainscreen: Cosella-Dörken Delta®-Dry offers a true ventilated rainscreen and pressure-equalized construction. Place Delta®-Dry between water barriers and provide ventilation at top and bottom.

Master Wall Cemplaster Fiberstucco (CFS)
Our Cemplaster Fiberstucco has a decades-long track record of performance. It’s manufactured with fibers and proprietary ingredients and independently tested to perform better than traditional stucco. Our Cemplaster Fiberstucco can be applied direct to concrete or masonry and offers a variety of applications with metal mesh or lath.

Stucco Additives (SA)
Master Wall Stucco Ad-Liquid improves the performance of the stucco. The 100% acrylic formulation is mixed into the Cemplaster at different levels to improve durability and crack resistance. Our BA57 bonding agent can be specified as the bonding agent when applying Cemplaster over porous concrete or masonry.

Leveling Base Coats (LBC)
Master Wall base coats mix smooth and creamy. When applied over Cemplaster they can fine-tune the surface, making the finish application look better. Embedding Master Wall Standard Mesh into the base coat improves the crack resistance of the Cemplaster as well as helping level the surface. Waterproof base coats keep buildings dryer.

Finishing Options and Finish Additives (PRIME, FA & FIN)
Priming the wall with Master Wall Primecoat or Sanded Primecoat conditions the surface and extends finish coverage. Silicone Coat adds silicone to the finishes for better water resistance and Excel Protection boosts the finishes resistance to mold and mildew growth.

Master Wall Superior Finishes are manufactured with 100% pure acrylic polymers and feature Dirt Pickup Resistance (DPR). Our flexible Superior Elastomeric Plus finishes help bridge minor hairline cracks in stucco.
### Warranty Extension Options

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Term</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Weather Resistant Barriers (WRB), Continuous Insulation (CI) and Drainage Spacers (DRS)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WRB01</td>
<td>2- ASTM D226 Asphalt Felt (minimum over sheathing)</td>
<td>0</td>
</tr>
<tr>
<td>WRB02</td>
<td>Tyvek® StuccoWrap® or similar with 1-layer of ASTM D226 Asphalt Felt (over sheathing)</td>
<td>0</td>
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<tr>
<td>WRB03</td>
<td>Master Wall Rollershield with 1-layer of ASTM D226 Asphalt Felt (over sheathing)</td>
<td>5</td>
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<tr>
<td>WRB04</td>
<td>Master Wall Rollershield (over concrete or masonry, slip sheet and lath required)</td>
<td>5</td>
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<tr>
<td>CI01-03</td>
<td>Continuous Insulation, R5 to R10</td>
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<tr>
<td>CI04</td>
<td>External Insulation</td>
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<tr>
<td>DRS00</td>
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<td>DRS01</td>
<td>Drainage Mat: Spacer Type</td>
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<tr>
<td>DRS02</td>
<td>Rainscreen: Cosella-Dörken Products, Inc. Delta®-Dry, Delta®-Dry Plus</td>
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<tr>
<td><strong>Cemplaster Fiberstucco (CFS)</strong></td>
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</tr>
<tr>
<td>CFS01</td>
<td>Master Wall Cemplaster Fiberstucco with 17 ga. woven wire fabric reinforcement, 3/8&quot; thick</td>
<td>2</td>
</tr>
<tr>
<td>CFS02</td>
<td>Master Wall Cemplaster Fiberstucco direct to Masonry/Concrete (no Rollershield), 3/8&quot;-1/2&quot; thick</td>
<td>3</td>
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<tr>
<td>CFS03</td>
<td>Master Wall Cemplaster Fiberstucco with 2.5#/sy self-furring or Structa Twin Trac reinforcement, 1/2&quot; thick</td>
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<tr>
<td>CFS04</td>
<td>Master Wall Cemplaster Fiberstucco with 3.4#/sy self-furring or Structa Mega Lath reinforcement, 3/4&quot; thick</td>
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<tr>
<td>CFS05</td>
<td>Master Wall Cemplaster Fiberstucco with 3.4#/sy self-furring reinforcement, 7/8&quot; thick</td>
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<tr>
<td><strong>Stucco Additives (SA)</strong></td>
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<tr>
<td>SA00</td>
<td>None</td>
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<tr>
<td>SA01</td>
<td>Master Wall Stucco Ad Liquid, 3 qt per mix of CFS Concentrate, 1 qt per bag of Ready CFS</td>
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</tr>
<tr>
<td>SA02</td>
<td>Master Wall Stucco Ad Liquid, 2 gal per mix of CFS Concentrate, 3 quarts per bag of Ready CFS</td>
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<tr>
<td>SA03</td>
<td>Master Wall Stucco Ad Liquid, 5 gal per mix of CFS Concentrate, 1-1/2 gal per bag of Ready CFS</td>
<td>3</td>
</tr>
<tr>
<td><strong>Leveling Base Coats (LBC)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LBC00</td>
<td>None</td>
<td>0</td>
</tr>
<tr>
<td>LBC01</td>
<td>F&amp;M, F&amp;M Plus, MBB, MBB Plus, Guardian or WeatherStop Skim Coat</td>
<td>1</td>
</tr>
<tr>
<td>LBC02</td>
<td>Reinforcing Mesh</td>
<td>2</td>
</tr>
<tr>
<td><strong>Primers (PRIME), Finish Additives (FA), Finish Options (FIN)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PRIME00</td>
<td>No Primer</td>
<td>0</td>
</tr>
<tr>
<td>PRIME01</td>
<td>Primecoat or Sanded Primecoat tinted primer</td>
<td>1</td>
</tr>
<tr>
<td>FIN01</td>
<td>Superior Finish</td>
<td>1</td>
</tr>
<tr>
<td>FA01</td>
<td>Excel Additive (to any finish)</td>
<td>0.5</td>
</tr>
<tr>
<td>FA02</td>
<td>Silicone Coat (to any finish)</td>
<td>0.5</td>
</tr>
<tr>
<td>FIN02</td>
<td>Superior Elastomeric Plus Finish</td>
<td>3</td>
</tr>
</tbody>
</table>

*Example of basic system: WRB01 (0) + CFS03 (3) with PRIME01 (1) and FIN01 (1) = 5 year warranty

*minimum requirement for warranty: Cemplaster Fiberstucco and Finish

---

**Total Warranty**

**Years**

---

With Master Wall, your options add up!

masterwall.com
Stucco Cement Board Coatings are applied over a high strength water managed ASTM C1325 or C1186 cement board. The application provides high impact and weather resistance where exterior insulation value is not required.

The cement board installs easily over approved framing and substrates using one of two methods:

- Over an approved structural sheathing in conditioned northern or southern climates.
- Directly to structurally-controlled framing in southern climates (below 4000 Heating Degree Days) or unconditioned northern climates.

**Features & Benefits**

- Easily Applied
- Durable Surfacing System
- Impact Resistant
- May be used with drainage mats
- Foam trim easily added

**System Use**

- Commercial
- Residential

**Attachment Method**

- Mechanical
Stucco Cement Board Coatings

Short Form Specification

1.0 General
This is a short form specification. Refer to Stucco Cement Board Coatings specifications and details for additional information.

1.1 System Description
The Master Wall® Stucco Cement Board Coatings consists of a reinforced base coat and textured finish applied over a cement board substrate meeting ASTM C-1325 such as National Gypsum PermaBase®, James Hardie Hardipanel® smooth or USG Durock®.

1.2 Design Requirements:
A. Reference Master Wall Inc.® suggested details and architectural drawings for specific detail requirements.
B. Stucco Cement Board Coatings installed below the 4000 heating degree day line and unconditioned installations in northern climates may be applied directly to the framing/weather-resistive barrier.
C. Slope all trim bands and surfaces a minimum of 1:2 (6” in 12”) to shed water, maximum 12” (305mm) wide.
D. Maximum deflection of substrates and framing shall not exceed L/360.
E. Typical acceptable sheathings for structural or fire resistance include Dens Glass Gold® (ASTM C1177), FiberRock® or exterior gypsum sheathing (ASTM C1396).
F. A code-approved weather-resistive barrier is required over the framing or sheathing and before cement board application.
G. Expansion joints are required at building expansion joints, panel joints, floor lines in wood framed construction, and other areas where significant movement occurs.
H. Control joints are required to be located by the designer. Reference Master Wall® specifications for specific recommendations.
I. Detail and install any trim accessories according to the approved trim manufacturer’s requirements (Plastic Components, Vinyl Corp. or approved equal).

1.3 Limitations:
A. Cracking due to dimensional stress at board joints may appear in the finished exterior surface if control joints are not properly located for the regional climate conditions and structural movement. Cracking is not a warranty defect.
B. Planar irregularities in framing may be more visible than with other applications.
C. A secondary weather-resistive barrier is required under the cement board.
D. Cement board manufacturer should be consulted for structural requirements.
E. Depending upon framing and climate, some read-through of framing and/or fasteners may occur.
F. Applications are limited to residential and low-rise commercial installations.

1.4 Quality Assurance
A. Coatings shall be tested for: Accelerated weathering, mildew resistance, salt spray resistance and structural performance.
B. Coatings shall have been tested for fire performance in accordance with ASTM E84.

1.5 Job Conditions
A. Store all materials protected from weather and direct sunlight at temperatures above 40°F (5°C).
B. The ambient and wall temperature shall be a minimum of 40°F (5°C) and shall remain so for at least 24 hours after installation.

2.0 Products
All components of the Stucco Cement Board Coatings shall be manufactured by Master Wall Inc.® and supplied by an authorized distributor.
A. Master Wall Base Coats:
   1. F&M Plus: A high-build 100% pure acrylic-based fiber reinforced adhesive that is field mixed with Portland cement.
   2. MBB Plus: A ready to use dry base that is field mixed with water.
B. Aggre-flex Mesh: Standard Mesh.
C. Master Wall® Cement Board Mesh: Self adhesive lightweight mesh
D. Superior Finish: 100% pure acrylic formulation with integral color and texture. Perfect Swirl 2.0, Fine Sand 1.0, Medium Sand 1.5, Versatex 0.5 textures.
E. Master Wall Coatings:

3.0 Installation
A. Inspect the cement board to ensure that it is free of all foreign materials that would affect the adhesion of Master Wall Inc. products.
B. Apply the products in strict accordance with Master Wall® specifications, product data sheets, architectural drawings and architectural specifications.

We finish strong.

Information contained in this product data sheet conforms to the standard detail recommendations and specifications for the installation of Master Wall Inc.® products and is presented in good faith. Master Wall Inc.® assumes no liability, expressed or implied as to the architecture, engineering, or workmanship of any project. This information may be concurrent with, or superseded by other applicable documents, such as specifications and details. Contact Master Wall Inc.® for the most current product information. ©2016 Master Wall Inc.®

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160301
Insulated Concrete Form (ICF) structures are made for Master Wall finishes. Most forms feature recessed ties making the installation as simple as rasping and leveling the forms followed by a Master Wall base coat with either Standard or an upgraded reinforcing mesh. Our Superior Finish is applied to complete the job.

**Features & Benefits**
- Easily applied durable finish
- Design Flexibility
- Medium Impact Resistance is standard

**System Use**
- Commercial
- Residential

**Attachment Method**
- Mechanical
- Adhesive
ICF Coating System

Short Form Specification

1.0 General
This is a short form specification. Refer to ICF Coatings specifications for additional information.

1.1 System Description
The Master Wall Inc.® ICF Coating System consists of a leveling base coat, reinforcing mesh and a textured finish.

1.2 Design Requirements:
   A. Reference architectural drawings for specific detail requirements.
   B. Slope all surfaces a minimum of 1:2 (6” in 12”) to shed water, maximum 12” (305mm) wide.
   C. Maximum deflection of substrates shall not exceed L/360.
   D. Typical acceptable substrates rasped and leveled Type I Molded Expanded Polystyrene forms with embedded ties and a density of 1 pcf or greater. Exposed ties require an additional layer of Master Wall® insulation board, 3/4” minimum. Contact Master Wall® for other approved substrates.
   E. Expansion joints are required at building expansion joints, panel joints and other areas where significant movement occurs.

1.3 Quality Assurance
   A. The coatings shall be tested for: Accelerated weathering, mildew resistance, salt spray resistance and structural performance.
   B. The coatings shall have been tested for fire performance in accordance with ASTM E84.

1.4 Job Conditions
   A. Store all materials protected from weather and direct sunlight at temperatures above 40°F (5°C).
   B. The ambient and wall temperature shall be a minimum of 40°F (5°C) and shall remain so for at least 24 hours after installation.

2.0 Products
All components of the Master Wall Inc.® ICF Finish System shall be manufactured by Master Wall® and supplied by an authorized distributor.

A. Master Wall® Base Coats:
   1. Foam & Mesh Adhesive (F&M), F&M Plus: A 100% pure acrylic-based adhesive that is field mixed with Portland cement.
   2. Master Wall® Bagged Base (MBB), MBB Plus: A ready to use dry base that is field mixed with water.
   3. Guardian: A waterproof 100% pure acrylic-based fiber reinforced adhesive that is field mixed with Portland cement.

B. Superior Finish: 100% pure acrylic formulation with integral color and texture.

C. Specialty Finishes: Specialty finish blends of natural and man-made decorative specialty finishes and accents.

D. Master Wall® Coatings:

3.0 Installation
   A. Inspect the substrate to ensure that it is free of all foreign materials that would affect the adhesion of the ICF.
   B. Apply the products in strict accordance with Master Wall® specifications, product data sheets, architectural drawings and architectural specifications.
Master Wall Inc.® Uninsulated Finish System (UF) is one of the easiest ways of improving the look of bare concrete, concrete block stucco or brick. A Master Wall leveling base coat, optional mesh and Superior Finish complete the application. Standard Mesh may help bridge minor cracking and help with leveling.
Uninsulated Finish System

Short Form Specification

1.0 General
This is a short form specification. Refer to Uninsulated Finish specifications and details for additional information.

1.1 System Description
The Master Wall Inc.® Uninsulated Finish System consists of a leveling base coat, optional reinforcing mesh and a textured finish.

1.2 Design Requirements:
A. Reference architectural drawings for specific detail requirements.
B. Slope all surfaces a minimum of 1:2 (6” in 12”) to shed water, maximum 12” (305mm) wide.
C. Maximum deflection of substrates shall not exceed L/360.
D. Typical acceptable substrates include unpainted brick, masonry, concrete and Portland cement plaster (stucco). Contact Master Wall® for other approved substrates.
E. Expansion joints are required at building expansion joints, panel joints and other areas where significant movement occurs.
F. If used over retaining walls, the wall shall be waterproofed with drainage provisions.
G. Protect wall surfaces with an appropriate leak proof cap.

1.3 Quality Assurance
A. The coatings shall be tested for: Accelerated weathering, mildew resistance, salt spray resistance and structural performance.
B. The coatings shall have been tested for fire performance in accordance with ASTM E84.

1.4 Job Conditions
A. Store all materials protected from weather and direct sunlight at temperatures above 40°F (5°C).
B. The ambient and wall temperature shall be a minimum of 40°F (5°C) and shall remain so for at least 24 hours after installation.

2.0 Products
All components of the Uninsulated Finish System shall be manufactured by Master Wall and supplied by an authorized distributor.

A. Master Wall® Base Coats:
1. Foam & Mesh Adhesive (F&M), F&M Plus: A 100% pure acrylic-based adhesive that is field mixed with Portland cement.
2. Master Wall® Bagged Base (MBB), MBB Plus: A ready to use dry base that is field mixed with water.
3. Guardian: A waterproof 100% pure acrylic-based fiber reinforced adhesive that is field mixed with Portland cement.

B. Superior Finish: 100% pure acrylic formulation with integral color and texture. Perfect Swirl 2.0 (Perfect), Fine Sand 1.0 (Spray), Medium Sand 1.5 (Desert Sand), Versatex 0.5 (Refinish) textures.

C. Specialty Finishes: Specialty finish blends of natural and man-made decorative specialty finishes and accents.

D. Master Wall® Coatings:

3.0 Installation
A. Inspect the substrate to ensure that it is free of all foreign materials that would affect the adhesion of the Uninsulated Finish System.
B. Apply the products in strict accordance with Master Wall® specifications, product data sheets, architectural drawings and architectural specifications.
Superior Finishes applied over a traditional stucco base make projects look better. Our finishes offer better color and texture consistency compared to traditional cement textures. We suggest optional Primecoat primer for even better color consistency.

To bridge minor hairline cracks in stucco specify Superior Elastomeric Plus Finish. The textured finish is designed to stretch with the minor hairline cracking common in stucco.

Features & Benefits
- Better Color Consistency
- Easy Application
- Works over all traditional stuccos

System Use
- Commercial
- Residential

Textured Acrylic Finish System

Master Wall®
Primecoat Primer (optional)

Superior Finish

ASTM C926 Stucco

Master Wall Inc.
Building a Culture of Excellence

masterwall.com
Finishes over Stucco

Short Form Specification

1.0  General
This is a short form specification. Refer to product data sheets for additional information.

1.1  System Description
Master Wall Inc.® Finishes over Stucco consists of an optional primer and a textured finish.

1.2  Design Requirements:
A. Reference architectural drawings for specific detail requirements.
B. Slope all surfaces a minimum of 1:2 (6" in 12") to shed water, maximum 12" (305mm) wide.
C. Maximum deflection of substrates shall not exceed L/360.
D. Acceptable substrates include Portland cement plaster (stucco). Contact Master Wall® for other approved substrates.

1.3  Quality Assurance
A. The coatings shall be tested for: Accelerated weathering, mildew resistance, salt spray resistance and structural performance.
B. The coatings shall have been tested for fire performance in accordance with ASTM E84.

1.4  Job Conditions
A. Store all materials protected from weather and direct sunlight at temperatures above 40°F (5°C).
B. The ambient and wall temperature shall be a minimum of 40°F (5°C) and shall remain so for at least 24 hours after installation.

2.0  Products
All components of the Finish over Stucco shall be manufactured by Master Wall® and supplied by an authorized distributor.
A. Superior Finish: 100% pure acrylic formulation with integral color and texture. Perfect Swirl 2.0 (Perfect), Fine Sand 1.0 (Spray), Medium Sand 1.5 (Desert Sand), Versatex 0.5 (Refinish) textures.
B. Specialty Finishes: Specialty finish blends of natural and man-made decorative specialty finishes and accents.
C. Master Wall Coatings (optional):

3.0  Installation
A. Inspect the substrate to ensure that it is free of all foreign materials that would affect the adhesion of the Master Wall® Finishes over Stucco.
B. Apply the products in strict accordance with Master Wall® product data sheets, architectural drawings and architectural specifications.
The Master Wall Inc.® Soffit System application greatly improves the looks of any eave, overhang, canopy or large soffit. The textured surface and installed system is impact resistant and durable, yet with an economical cost compared to other soffit alternatives.
Short Form Specification

1.0 General
This is a short form specification. Refer to Soffit System specifications and details for additional information.

1.1 System Description
The Master Wall Inc.® Soffit System is a Direct-applied Exterior Finish System consisting of a reinforced base coat and a textured finish.

1.2 Design Requirements:
A. Reference Master Wall Inc.® suggested details and architectural drawings for specific detail requirements.
B. Maximum deflection of substrates shall not exceed L/360.
C. Typical acceptable substrates include Exterior Gypsum Soffit Board, Dens Glass Gold® (ASTM C1177), Util-A-Crete®, FiberRock®, Durock®, PermaBase®, Hardie Tex® or Eterspan®. Contact Master Wall for other approved substrates.
D. Expansion joints are required at building expansion joints, panel joints and other areas where significant movement occurs.
E. Control joints are required to be located by the designer. Reference Master Wall® specifications for specific recommendations.
F. Detail and install trim accessories according to the approved trim manufacturer's requirements (Plastic Components, Vinyl Corp. or approved equal).

1.3 Quality Assurance
A. The system shall be tested for: Accelerated weathering, mildew resistance, salt spray resistance and structural performance.
B. The system shall have been tested for fire performance in accordance with ASTM E84.

1.4 Job Conditions
A. Store all materials protected from weather and direct sunlight at temperatures above 40°F (5°C).
B. The ambient and wall temperature shall be a minimum of 40°F (5°C) and shall remain so for at least 24 hours after installation.

2.0 Products
All components of the Soffit System shall be manufactured by Master Wall Inc.® and supplied by an authorized distributor.
A. Aggre-flex Mesh: Standard Mesh.
B. Master Wall® Base Coats:
   1. Foam & Mesh Adhesive (F&M), F&M Plus: A 100% pure acrylic-based adhesive that is field mixed with Portland cement.
   2. Master Wall® Bagged Base (MBB), MBB Plus: A ready to use dry base that is field mixed with water.
   3. Guardian: A waterproof 100% pure acrylic-based fiber reinforced adhesive that is field mixed with Portland cement.
C. Superior Finish: 100% pure acrylic formulation with integral color and texture. Perfect Swirl 2.0 (Perfect), Fine Sand 1.0 (Spray), Medium Sand 1.5 (Desert Sand), Versatex 0.5 (Refinish) textures.
D. Specialty Finishes: Specialty finish blends of natural and man-made decorative specialty finishes and accents.
E. Master Wall® Coatings:

3.0 Installation
A. Inspect the substrate to ensure that it is free of all foreign materials that would affect the adhesion of the Master Wall® System.
B. Apply the system in strict accordance with Master Wall® specifications, product data sheets, architectural drawings and architectural specifications.
Master Wall Inc.® ProTEC® and ProGUARD® Panel Coatings are an inexpensive and attractive finish for the T. Clear Corporation ProTEC® Structural Insulated Panel System (SIPS) or ProGUARD® insulated panels. The panels can be finished in any Master Wall® finish and the assembly provides high impact and weather resistance. ProTEC® SIPS can even be finished on the inside.
Short Form Specification

1.0 General
This is a short form specification. Refer to ProTEC® and ProGUARD® Panel Coatings specifications and details for additional information.

1.1 System Description
The Master Wall Inc.® ProTEC® and ProGUARD® Panel Coatings consists of a reinforced base coat and textured finish applied over the T. Clear Corporation cement board.

1.2 Design Requirements:
A. Install panels in strict accordance with T. Clear Corporation’s recommendations.
B. Reference Master Wall® suggested details and architectural drawings for specific detail requirements.
C. Slope all trim bands and surfaces a minimum of 1:2 (6" in 12") to shed water, maximum 12" (305mm) wide.
D. Maximum deflection of substrates and framing shall not exceed L/360.
E. Expansion joints are required at building expansion joints, panel joints, floor lines in wood framed construction, and other areas where significant movement occurs.
F. Control joints are required to be located by the designer. Reference Master Wall specifications for specific recommendations.

1.3 Limitations:
A. Cracking due to dimensional stress at board joints may appear in the finished exterior surface if control joints are not properly located for the regional climate conditions and structural movement. Cracking is not a warranty defect.
B. Planar irregularities in framing may be more visible than with other applications.
C. Depending upon framing and climate, some read-through of framing and/or fasteners may occur.
D. Applications are limited to residential and low-rise commercial installations.

1.4 Quality Assurance
A. Coatings shall be tested for: Accelerated weathering, mildew resistance, salt spray resistance and structural performance.
B. Coatings shall have been tested for fire performance in accordance with ASTM E84.

1.5 Job Conditions
A. Store all materials protected from weather and direct sunlight at temperatures above 40°F (5°C).
B. The ambient and wall temperature shall be a minimum of 40°F (5°C) and shall remain so for at least 24 hours after installation.

2.0 Products
All components of the ProTEC® and ProGUARD® Panel Coatings shall be manufactured by Master Wall Inc.® and supplied by an authorized distributor.

A. Master Wall® Base Coats:
   1. Foam & Mesh Adhesive (F&M), F&M Plus: A 100% pure acrylic-based adhesive that is field mixed with Portland cement.
   2. Master Wall® Bagged Base (MBB), MBB Plus: A ready to use dry base that is field mixed with water.
   3. Guardian: A waterproof 100% pure acrylic-based fiber reinforced adhesive that is field mixed with Portland cement.
B. Aggre-flex Mesh: Standard Mesh.
D. Specialty Finishes: Specialty finish blends of natural and man-made decorative specialty finishes and accents.
E. Master Wall® Coatings:

3.0 Installation
A. Inspect the panels to ensure that it is free of all foreign materials that would affect the adhesion of Master Wall products.
B. Apply the products in strict accordance with Master Wall® specifications, product data sheets, architectural drawings and architectural specifications.
To finish strong you need a Superior Finish. Master Wall finishes have one of the highest 100% acrylic polymer contents in our industry. This translates to extra durability, lower life-cycle maintenance and a longer lasting finish.

- Dirt Pickup Resistant (DPR) Polymers
- Quartz or Marble aggregate available
- 64 Standard Colors
- Custom color matching available

### Systems
- Aggre-flex EIFS
- Aggre-flex Drainage EIFS
- Commercial Drainage EIFS
- Cemplaster Fiberstucco
- Finishes over stucco
- ICF Coatings
- QRW Drainage EIFS
- Rollershield Drainage EIFS
- Soffit System
- Stucco Cement Board Coatings
- Trowelshield Drainage EIFS
- Uninsulated Finishes

### VOC
- VOC: <1% by Weight
- VOC: 1.4 g/l

### Manufacture Locations:
- 30058 • 77474 • 84651

### Recycled Content:
- 0%

### Packaging:
- 5 gallon (19L) pail

### Pail Weight:
- **Perfect Swirl 2.0 Perfect**
  - Medium Sand 1.5 Desert Sand
  - 70 lbs (32 kg)
- **Fine Sand 1.0 Spray**
  - 67 lbs (30.3 kg)
- **Versatex 0.5 Refinish**
  - 65 lbs (29.5 kg)

### Shelf Life:
- 2 years

### Coverage (estimated):
- **Perfect Swirl 2.0 Perfect**
  - 120-150 sf/pail (11-14 sm)
- **Fine Sand 1.0 Spray**
  - 160-170 sf/pail (15-15.8 sm)
- **Medium Sand 1.5 Desert Sand**
  - 130-150 sf/pail (12-14 sm)
- **Versatex 0.5 Refinish**
  - Varies with Texture

### Product Test Standards

### Master Wall Inc.:
- Building a Culture of Excellence
- masterwall.com

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Superior Finishes

Finish Options

Superior Elastomeric Plus
- Bridges hairline cracks common in stucco

Silicone Coat Additive
- Keeps buildings cleaner

Excel Mildew Additive
- Excels at Mildew Protection

Perfect Swirl 2.0 Perfect

Match to SW0019 Festoon Aqua

Color Chart
64 Standard Colors

Custom Colors Available

Match to SW7692 Cupola Yellow

Fine Sand 1.0 Spray

masterwall.com

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Superior Finishes
Textured Acrylic Finish

Temp: 40°F-110°F (5°C-43°C) • Working Time: 1/4 hr • Set Time: 8-12 hrs • Dry Time: 48-72 hrs
at room temperature: working and drying time will vary with temperature, humidity and high pigment levels

Application Procedure

Job Conditions - Air and substrate temperature for application of Superior Finishes must be 40°F (5°C) or higher and must remain 40°F (5°C) or higher for a minimum of 24 hours. Provide temporary protection to protect the wall system from damage until permanent flashings, caps and sealants are installed. Store materials within prescribed temperature limits and out of direct sunlight. High temperatures will reduce working times. Low temperatures and/or high humidity and pigment loading will extend working, set and dry times.

Preparation - The substrate must be approved by Master Wall Inc.®, clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents and curing compounds or anything that would affect bond. Painted surfaces are not acceptable and must be removed. Concrete and surfaces should cure for a minimum of 28 days. Stucco should be cured until clean, dry and hard—typically 14 days with a pH of 10 or less.

Interior drywall should be finished and made ready for paint. Prime surfaces with Primecoat/Sanded Primecoat primer prior to finishing.

Base Coats - Must be flat, dry hard, and free of efflorescence. Master Wall® base coats must cure a minimum of 12 hours before application of Superior Finish. Substrates of brick, masonry or concrete should be leveled smooth using either Master Wall® base coats or stucco.

Mixing - Thoroughly stir Superior Finish using a heavy duty 1/2" drill at 400 - 500 rpm and a heavy duty mixing paddle. Small amounts of clean, potable water may be added to obtain a workable consistency. To avoid color variations, add the same amount of water to each pail. Do not exceed 24 ounces (0.7L) of water per pail of finish.

Application — Apply a uniform thickness (about 1/16") of Superior Finish to the substrate using a stainless steel trowel. Spread evenly and then scrape the finish coat down to a thickness no greater than the largest aggregate in the material. Immediately float the finish coat using a plastic float to the desired texture. Always maintain a wet edge to achieve uniformity of texture and color. Allow the finish to fully dry and set before exposure to inclement weather.

For Professional Results
Apply finish coats away from direct sunlight. Cold joints or color variations can occur if the finish dries too quickly.

Priming stucco surfaces with Primecoat/Sanded Primecoat evens out finish absorption and should be strongly considered for dark colored finishes to avoid efflorescence blush. Under certain conditions dark colors may show efflorescence on the surface during the cure process.

Surfaces exposed to the weather must be sloped (6:12 minimum).

Approved Substrates
Master Wall Base Coats
Stucco
Prepared & Base Coated
Surfaces of:
Brick
Concrete
Masonry
Others approved in writing

Use of dark colors in high temperature climates can affect the performance of the system, especially EIFS and areas may need to be limited.

Finishes are intended for the approved substrates listed above and should not be applied directly to gypsum board or insulation board products.

Clean Up—Tools and equipment can be cleaned with soapy water while the Superior Finish is still wet.
To finish strong you need a Superior Elastomeric Finish that can bridge minor hairline cracks common in stucco. Master Wall Superior Elastomeric Plus finishes have one of the highest 100% acrylic polymer contents in our industry for extra flexibility yet are still breathable.

- Dirt Pickup Resistant (DPR) Polymers
- Quartz or Marble aggregate available
- 64 Standard Colors
- Custom color matching available

**Products**

- **Elastomeric Acrylic Finish**
  - Perfect Swirl 2.0 Perfect
  - Medium Sand 1.5 Desert Sand
  - Fine Sand 1.0 Spray
  - Versatex 0.5 Refinish

**Additional Features**

- **Dirt Pickup Resistant (DPR) Polymers**
- Quartz or Marble aggregate available
- 64 Standard Colors
- Custom color matching available

**Packaging:** 5 gallon (19L) pail

**Pail Weight:**
- Perfect Swirl 2.0 Perfect: 70 lbs (32 kg)
- Medium Sand 1.5 Desert Sand: 67 lbs (30.3 kg)
- Fine Sand 1.0 Spray: 65 lbs (29.5 kg)
- Versatex 0.5 Refinish: 65 lbs (29.5 kg)

**Shelf Life:** 2 years

**Coverage (estimated):**
- Perfect Swirl 2.0 Perfect: 120-150 sf/pail (11-14 sm)
- Medium Sand 1.5 Desert Sand: 130-150 sf/pail (12-14 sm)
- Fine Sand 1.0 Spray: 160-170 sf/pail (15-15.8 sm)
- Versatex 0.5 Refinish: Varies with Texture

**VOC:** <1% by Weight

**Manufacture Locations:**
- 30058 • 77474 • 84651

**Recycled Content:** 0%

**Manufacturing Locations:**
- 207 & 576

**Manufacturing Locations:**
- 50058 • 77474 • 84651

**Recycled Content:** 0%

**Packaging:** 5 gallon (19L) pail

**Pail Weight:**
- Perfect Swirl 2.0 Perfect: 70 lbs (32 kg)
- Medium Sand 1.5 Desert Sand: 67 lbs (30.3 kg)
- Fine Sand 1.0 Spray: 65 lbs (29.5 kg)
- Versatex 0.5 Refinish: 65 lbs (29.5 kg)

**Shelf Life:** 2 years

**Coverage (estimated):**
- Perfect Swirl 2.0 Perfect: 120-150 sf/pail (11-14 sm)
- Medium Sand 1.5 Desert Sand: 130-150 sf/pail (12-14 sm)
- Fine Sand 1.0 Spray: 160-170 sf/pail (15-15.8 sm)
- Versatex 0.5 Refinish: Varies with Texture

**Product Test Standards**

- 397, G154/G155, ASTM D553
Application Procedure

Job Conditions - Air and substrate temperature for application of Superior Elastomeric Plus Finishes must be 40°F (5°C) or higher and must remain 40°F (5°C) or higher for a minimum of 24 hours. Provide temporary protection to protect the wall system from damage until permanent flashings, caps and sealants are installed. Store materials within prescribed temperature limits and out of direct sunlight. High temperatures will reduce working times. Low temperatures and/or high humidity and pigment loading will extend working, set and dry times.

Preparation - The substrate must be approved by Master Wall Inc.®, clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents and curing compounds or anything that would affect bond. Painted surfaces are not acceptable and must be removed. Concrete and surfaces should cure for a minimum of 28 days. Stucco should be cured until clean, dry and hard—typically 14 days with a pH of 10 or less.

Interior drywall should be finished and made ready for paint. Prime surfaces with Primecoat/Sanded Primecoat primer prior to finishing.

Base Coats - Must be flat, dry hard, and free of efflorescence. Master Wall® base coats must cure a minimum of 12 hours before application of Superior Finish. Substrates of brick, masonry or concrete should be leveled smooth using either Master Wall® base coats or stucco.

Mixing - Thoroughly stir Superior Finish using a heavy duty 1/2" drill at 400 - 500 rpm and a heavy duty mixing paddle. Small amounts of clean, potable water may be added to obtain a workable consistency. To avoid color variations, add the same amount of water to each pail. Do not exceed 24 ounces (0.7L) of water per pail of finish.

Application — Apply a uniform thickness (about 1/16") of Superior Finish to the substrate using a stainless steel trowel. Spread evenly and then scrape the finish coat down to a thickness no greater than the largest aggregate in the material. Immediately float the finish coat using a plastic float to the desired texture. Always maintain a wet edge to achieve uniformity of texture and color. Allow the finish to fully dry and set before exposure to inclement weather.

For Professional Results

Apply finish coats away from direct sunlight. Cold joints or color variations can occur if the finish dries too quickly.

Priming stucco surfaces with Primecoat/Sanded Primecoat evens out finish absorption and should be strongly considered for dark colored finishes to avoid efflorescence blush. Under certain conditions dark colors may show efflorescence on the surface during the cure process.

Surfaces exposed to the weather must be sloped (6:12 minimum).

Approved Substrates

Master Wall Base Coats
Stucco
Prepared & Base Coated Surfaces of:
Brick
Concrete
Masonry
Others approved in writing

Use of dark colors in high temperature climates can affect the performance of the system, especially EIFS and areas may need to be limited.

Finishes are intended for the approved substrates listed above and should not be applied directly to gypsum board or insulation board products.

Clean Up—Tools and equipment can be cleaned with soapy water while the Superior Finish is still wet.
Silicone Coat Additive

To finish strong you sometimes need a finish with increased water repellence. Silicone Coat is a factory added siloxane that helps keep buildings cleaner with a protective barrier. Water and dirt won’t stick to the silicone which helps keep buildings cleaner.

- Factory added silicone helps rinse dirt away during rains.
- Available in all textures of Superior and Superior Elastomeric Plus Finishes.
- Silicone Coat is does not reduce the acrylic polymer levels in the finish.
- Improves resistance to the affects of mold, mildew and algae.
- Vapor Permeable.
- Can be tinted any color.
- Does not affect workability, application or performance of the finishes.
Excel Mildew Additive

To finish strong you sometimes need a finish that exceeds industry requirements. In certain environments dirt deposits on textured finishes start growing mold. This can also occur on areas that receive little sunlight or low air movement.

- Factory added mildew booster.
- Increased mildew resistance, exceeding ASTM D-3273 requirements.
- Available in all textures of Superior and Superior Elastomeric Plus Finishes.
- Excel is does not reduce the acrylic polymer levels in the finish.
- Improves resistance to the affects of mold, mildew and algae in tough environments.
- Vapor Permeable.
- Best for areas where high humidity or low air movement is a concern.
- Can be tinted any color.
- Does not affect workability, application or performance of the finishes.

Information contained in this product data sheet conforms to the standard detail recommendations and specifications for the installation of Master Wall Inc.® products and is presented in good faith. Master Wall Inc.® assumes no liability, expressed or implied as to the architecture, engineering, or workmanship of any project. This information may be concurrent with, or superseded by other applicable documents, such as specifications and details. Contact Master Wall Inc.® for the most current product information. ©2016 Master Wall Inc.®

masterwall.com
Quick Dry

Drying Accelerator for Master Wall® Superior & Superior Elastomeric Plus Finishes

- Accelerates drying time by as much as 25%
- Allows projects to be completed faster
- Improves finish hardness and mar/scuff resistance
- Promotes strong adhesive bond to wall surface
- Inhibits growth of mildew
- For use in cool, moist climates

Application Procedure

1. Follow the mixing instructions for Master Wall Inc. Superior and Superior Elastomeric Plus Finishes. Thoroughly mix in all tints prior to adding Quick Dry.

2. Pour the vial of Quick Dry into the mixed finish and remix. For color consistency add Quick Dry to all pails as needed to go from corner-to-corner.

3. Dry times will vary depending on weather temperature and relative humidity.

LIMITATIONS: Ambient and surface temperature must be 40°F (4.4°C) or higher during application and curing time. Provide supplemental heat and protection from precipitation as needed. An Acrylic or Elastomeric Finish that the Quick Dry has been added to should be tightly sealed during storage to avoid setting up in the pail.

This product contains ammonia, mix in a well ventilated area and wear an approved respirator, protective glasses, and gloves. Reference the SDS sheet for specific safety instructions.

CLEAN-UP: Water-soluble prior to drying. Clean tools and containers with water before mixture sets.
Aggrelime replicates the unique textures and subtle variations of limestone. Suitable for interior or exterior use it can be used to create varied appearance, celebrating the unique qualities of a time-proven material while highlighting the individual efforts of today’s premier craftsmen.

- Consistent color palate, available in all Superior Finish colors.
- Custom colors available.
- Color tone varies with application and technique.
- Unique visual appeal.
- Looks like limestone, but light in weight.
- Less expensive than limestone.
- DPR (Dirt Pickup Resistant) polymer technology for long life and cleaner buildings.
**Aggrelime**

**Temp:** 40°-110°F (5°-43°C)  •  **Working Time:** .25 hr  •  **Set Time:** 8-12 hrs  •  **Dry Time:** 48-72 hrs

At room temperature, working and drying time will vary with temperature and humidity.

### Application Procedure

**Job Conditions** - Air and substrate temperature for application of Aggrelime must be 50°F (10°C) or higher and must remain 50°F (10°C) or higher for a minimum of 24 hours. Provide temporary protection to protect the wall system from damage until permanent flashings, caps and sealants are installed. Store materials within prescribed temperature limits and out of direct sunlight. High temperatures will reduce working times. Low temperatures and/or high humidity will extend working, set and dry times.

**Preparation** - The substrate must be approved by Master Wall Inc., clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents and curing compounds or anything that would affect bond. Painted surfaces are not acceptable and must be removed. Concrete and surfaces should cure for a minimum of 28 days. Stucco should be cured until clean, dry and hard—typically 7-14 days.

**Interior Drywall** - Prime surfaces with Sanded Primecoat primer prior to finishing. Bond test prior to application on previously painted surfaces.

**Base Coats** - Must be flat, dry hard, and free of efflorescence. Master Wall base coats must cure a minimum of 12 hours before application of Superior Finish. Substrates of brick, masonry or concrete should be leveled smooth using either Master Wall base coats or stucco.

**Mixing** - Thoroughly stir Aggrelime using a heavy duty 1/2” (12.7 mm) drill at 400 - 500 rpm and a heavy duty mixing paddle. Small amounts of clean, potable water may be added to obtain a workable consistency. To avoid unintended color variations, add the same amount of water to each pail. Do not exceed 3 ounces (0.1L) of water per pail of finish.

**Application** — Apply Aggrelime to match the approved sample texture or effect using the selected tools and techniques. Extra care is needed to ensure a very smooth base coat has been achieved as the finish will not cover wall irregularities. Using a stainless steel trowel, apply Aggrelime to a uniform but tight thickness. Allow this first coat to dry to the touch and apply a thin second coat and allow it to take up. Floating or finishing options:

- **Float the finish lightly with a Lexan float.** Produces a lightly mottled, fine finish.
- **After the second coat finish has taken up slightly,** trowel again in one direction with a stainless steel trowel. Produces a super smooth finish.

For consistency, use the same methods and application techniques across the entire wall surface.

The Aggrelime finish is intended to replicate the appearance of natural limestone. The application technique will have larger flat areas with small pit marks and possibly burn marks and varied color/textured conditions. This variation is intentional and part of the properties of this finish. For best results two thin coats are recommended.

**For Professional Results**

- **Apply finish coats away from direct sunlight.** Cold joints or color variations can occur if the finish dries too quickly.
- **Consider priming stucco surfaces with Primecoat to even out finish absorption.** Surfaces exposed to the weather must be sloped (6:12 minimum).
- **Do not apply to gypsum board or insulation board products.**
- **Clean Up—Tools and equipment can be cleaned with soapy water while the Aggrelime is still wet.**

### Approved Substrates

- Master Wall Base Coats
- Stucco
- Prepared & Base Coated Surfaces of:
  - Brick
  - Concrete
  - Masonry
- Interior Drywall made ready for paint
- Others approved in writing

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PO Box 397  •  Fortson  •  GA  •  31808  •  800-755-0825  •  Tech: 800-760-2861
Aggrestone Finish is a bolder multi-colored textured surface that resembles cut granite. Applied over a tinted Primecoat Primer, Aggrestone is easily applied for an upscale look on building interiors or exteriors at a relatively low cost.
Application Procedure

Job Conditions - Air and substrate temperature for application of Aggrestone must be 50°F (10°C) or higher and must remain 50°F (10°C) or higher for a minimum of 24 hours. Dry time will vary by temperature and humidity. Provide temporary protection to protect the wall system from damage until permanent flashings, caps and sealants are installed. Store materials within prescribed temperature limits and out of direct sunlight. All exterior surfaces must be sloped a minimum of 1:2. Working and drying times are based upon normal room temperature conditions and will vary with temperature and humidity. Working and drying times are based upon normal room temperature conditions and will vary with temperature and humidity. Dry time will vary, typically 8-12 hours to firm set and 48-72 hours to fully dry at room temperature.

Preparation - The substrate must be approved by Master Wall Inc., clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents and curing compounds or anything that would affect bond. Painted surfaces are not acceptable and must be removed. Brick, masonry and concrete should be leveled either with stucco or Master Wall base coats prior to application.

 Priming - As the Aggrestone binder is translucent, priming with Primecoat or Sanded Primecoat is recommended. Primecoat should be tinted to the predominant color of the Aggrestone. See Primecoat Data Sheet for additional information, allow to dry a minimum of 12 hours before applying Aggrestone.

Mixing - Thoroughly stir the Aggrestone finish for one minute using a heavy duty 1/2” (12.7 mm) drill at 400 – 500 rpm and a heavy duty mixing paddle. Do not over mix. Small amounts of clean, potable water may be added to obtain a workable consistency. Do not exceed 24 ounces (0.7L) of water per pail. Do not add accelerators or retarders to the mixture.

Application

Over the primed surface—Aggrestone Finish is typically applied in two coats, both are spray applied. Aggrestone should be applied by a skilled mechanic experienced in the spraying of aggregate finishes.

Using a conventional plaster hopper gun or a proven pump, spray two coats of the finish over the primed base coat to achieve the desired texture. Apply one coat horizontally and the other vertically to achieve uniform coverage. Apply to a minimum thickness of 1/8” (3.2 mm) and a maximum thickness of 3/16” (4.8 mm). Keep the spray gun at a 90 angle to the surface maintaining the same distance to the wall at all times. The first coat should dry a minimum of one hour prior to the application of the second coat. Be cautious of flooding an area with too much finish as it may appear shinier when it dries.

Alternatively a highly skilled applicator may apply Aggrestone in a single-layer application using a stainless steel trowel. Finish results may vary.

Clean Up—Tools and equipment can be cleaned with soapy water while the Aggrestone is still wet.
EcoGlass Finishes are a unique recycled glass textured finish with 66% recycled content. Using recycled glass it creates a glistening finish that will not fade. Applied over a tinted Prime-coat Primer, EcoGlass makes a statement on building interiors or exteriors.
**Application Procedure**

**Job Conditions** - Air and substrate temperature for application of EcoGlass must be 50°F (10°C) or higher and must remain 50°F (10°C) or higher for a minimum of 24 hours. Dry time will vary by temperature and humidity. Provide temporary protection to prevent the wall system from damage until permanent flashings, caps and sealants are installed. Store materials within prescribed temperature limits and out of direct sunlight. All exterior surfaces must be sloped a minimum of 1:2. Working and drying times are based upon normal room temperature conditions and will vary with temperature and humidity. Dry time will vary, typically 8-12 hours to firm set and 48-72 hours to fully dry at room temperature.

**Preparation** - The substrate must be approved by Master Wall Inc., clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents and curing compounds or anything that would affect bond. Painted surfaces are not acceptable and must be removed. Brick, masonry and concrete should be leveled either with stucco or Master Wall base coats prior to application.

**Priming** - As the EcoGlass binder is translucent, priming with Primecoat or Sanded Primecoat is recommended. Primecoat should be tinted to the predominant color of the EcoGlass. See Primecoat Data Sheet for additional information, allow to dry a minimum of 12 hours before applying Aggre-stone.

**Mixing** - Thoroughly stir the Eco Glass Finish using a heavy duty 1/2” (12.7 mm) drill at 400-500 rpm and a paddle similar to a Windlock B-MTW mixer. Small amounts of clean, potable water may be added to obtain a workable consistency. To avoid texture or coverage variations, add the same amount of water to each pail. Don’t exceed 12 ounces (0.35L) of water per pail.

**Application**

Over the primed surface - EcoGlass should be applied by a skilled mechanic experienced in the spraying of aggregate finishes.

Trowel Application—Apply the EcoGlass Finish to the clean, dry and cured base coat with a stainless steel trowel. Trowel finish uniformly then scrape down to a thickness equal to the size of the aggregate. Float to eliminate trowel marks and irregularities.

Spray Application—Using a conventional plaster hopper gun or a proven pump, spray two coats of the finish over the primed base coat to achieve the desired texture. Use a circular overlapping pattern keeping the spray gun at a 90° angle to the surface maintaining the same distance to the wall at all times. Be cautious of flooding an area with too much finish as it may appear shinier when it dries.

Clean Up—Tools and equipment can be cleaned with soapy water while the EcoGlass is still wet.
Recreate the look of beautiful Cantera Stone with LaCantera. Sparkling mica aggregate adds highlights to the acrylic finish coat.

- Available in all standard Master Wall® colors and custom colors
- Easily applied
- Dirt Pickup Resistant (DPR) Finish

VOC: <1% by Weight
VOC: 1.4 g/l
Manufacture Locations:
30058 • 77474 • 84651

Packaging: 5 gallon (19L) pail
Pail Weight: 65 lbs (29.5 kg)
Shelf Life: 2 years
Coverage (estimated)
85-100 sf (8-9.3 sm)

Product Test Standards

More Information
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Building a Culture of Excellence
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Application Procedure

General—Air and substrate temperature for application of LaCantera must be 40°F (5°C) or higher and must remain 40°F (5°C) or higher for a minimum of 24 hours. Working and drying times are based upon normal room temperature conditions and will vary with temperature and humidity.

Preparation - The substrate must be approved by Master Wall Inc.®, clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents and curing compounds or anything that would affect bond. Painted surfaces are not acceptable and must be removed. Concrete and surfaces should cure for a minimum of 28 days. Stucco should be cured until clean, dry and hard—typically 7-14 days.

Interior drywall should be finished and made ready for paint. Prime surfaces with Sanded Primecoat primer prior to finishing with LaCantera.

Base Coats - Must be flat, dry hard, and free of efflorescence. Master Wall® base coats must cure a minimum of 12 hours before application of LaCantera. Substrates of brick, masonry or concrete should be leveled smooth using either Master Wall base coats or stucco.

Mixing—Thoroughly stir the LaCantera Finish using a heavy duty 1/2” (12.7 mm) drill at 400-500 rpm and a paddle similar to a Wind-lock B-MTW mixer. Small amounts of clean, potable water may be added to obtain a workable consistency up to a maximum of 12 ounces (0.4L). To avoid color inconsistencies only use product with the same amount of water and batch numbers for a section or elevation.

Application——Techniques can vary. Apply the LaCantera Finish to the clean, dry and cured base coat or substrate with a stainless steel trowel about 1/16” to 1/8” (1.6-3.2mm) thick. Trowel finish uniformly onto the wall surface. Let take up to a firm set, firm enough that it can be cleaned with a sponge float without removing the finish entirely. Lightly float with a dampened sponge float eliminate trowel marks and irregularities and expose the mica chips. Clean the float often during this process, making several passes to produce the final texture and appearance.

Approved Substrates

Master Wall® Base Coats
Master Wall® Cemplaster
Fiberstucco
Stucco
Prepared & Base Coated Surfaces of:
Brick
Concrete
Masonry
Primecoat Primed Interior
Drywall
Others approved in writing

Clean Up—Tools and equipment can be cleaned with soapy water while the finish coat is still wet.

For Professional Results
Apply finish coats away from direct sunlight.

Surfaces exposed to the weather must be sloped (6:12 minimum).

Finishes are intended for the listed approved substrates and should not be applied directly to gypsum board or insulation board products except as noted above.
Lumia Finish is a mix of varied-sized multi-colored aggregate with sparkling mica. Applied over a tinted Primecoat Primer, Lumia is easily applied for an upscale look on building interiors or exteriors at a relatively low cost.
Application Procedure

Job Conditions - Air and substrate temperature for application of Lumia must be 50°F (10°C) or higher and must remain 50°F (10°C) or higher for a minimum of 24 hours. Dry time will vary by temperature and humidity. Provide temporary protection to protect the wall system from damage until permanent flashings, caps and sealants are installed. Store materials within prescribed temperature limits and out of direct sunlight. All exterior surfaces must be sloped a minimum of 1:2. Working and drying times are based upon normal room temperature conditions and will vary with temperature and humidity. Working and drying times are based upon normal room temperature conditions and will vary with temperature and humidity. Dry time will vary, typically 8-12 hours to firm set and 48-72 hours to fully dry at room temperature.

Preparation - The substrate must be approved by Master Wall Inc., clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents and curing compounds or anything that would affect bond. Painted surfaces are not acceptable and must be removed. Concrete and surfaces should cure for a minimum of 28 days. Stucco should be cured until clean, dry and hard—typically 14 days.

Interior drywall should be finished and made ready for paint. Prime surfaces with Sanded Primecoat primer prior to finishing with Lumia.

Base Coats - Must be flat, dry hard, and free of efflorescence. Master Wall base coats must cure a minimum of 12 hours before application of Superior Finish. Substrates of brick, masonry or concrete should be leveled smooth using either Master Wall base coats or stucco.

Mixing - Thoroughly stir the Lumia Finish using a heavy duty 1/2” (12.7 mm) drill at 400-500 rpm and a paddle similar to a Wind-lock B-MTW mixer. Small amounts of clean, potable water may be added to obtain a workable consistency up to a maximum of 6 ounces (0.2L) but is not normally required. To avoid color inconsistencies only use product with the same batch numbers for a section or elevation.

Application - Prime the surface with Master Wall Primecoat or Sanded Primecoat tinted to match the predominate color of stone in the selected Lumia color. Allow Primecoat to dry a minimum of 12 hours prior to finish coat application.

Trowel Application - Apply the Lumia Finish to the clean, dry and cured base coat with a stainless steel trowel about 1/16” to 1/8” (1.6-3.2 mm) thick. Trowel finish uniformly onto the primed surface. Lightly float with a plastic float eliminate trowel marks and irregularities and expose the mica chips. Clean the float often during this process, making several passes to produce the final texture and appearance.

Clean Up—Tools and equipment can be cleaned with soapy water while the finish coat is still wet.

For Professional Results
Apply finish coats away from direct sunlight.
Surfaces exposed to the weather must be sloped (6:12 minimum).

Finishes are intended for the approved substrates listed above and should not be applied directly to gypsum board or insulation board products except as noted above.

Approved Substrates
Interior Drywall
Master Wall Base Coats
Others approved in writing
Marbleflex creates an intricate look of a plastered wall surface. The easily applied texture highlights wall surfaces with a very subtle glistening effect that would be perfect for home or upscale commercial projects.

- Ready to Use
- Ultra thin applications (two thin coats)
- Cost effective
- Tintable, available in 12 standard colors
- Can be accented with Vintique, Clearshield or Metallic Cote

Marbleflex
Sage Color
Marbleflex
Brilliant Fine Finish

Aged Ivory  Aly Beach  Atlantic  Buff

Canyon  Hazelnut  Jasper  Mesa

Midnight

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Marbleflex
Brilliant Fine Finish

Mist
Prairie
Sage
Aged Ivory with Buff Vintique

Alys Beach with Hazelnut Vintique
Alys Beach with Jasper Vintique
Alys Beach with Midnight Vintique
Mesa with Mesa Vintique

masterwall.com
Application Procedure

Job Conditions – Air and surface temperatures must be 4°C (40°F) or higher and must remain so for a minimum of 24 hours. Avoid exposure to direct sunlight during application. Protect the finish from rain and temperatures less than 40°F (5°C) for a minimum of 24 hours.

Surface Preparation – Interior Drywall: smooth, flat and ready for paint. Clean the surface in preparation for Marbleflex. Prime wall with Primecoat Primer and allow to dry. Exterior: Master Wall® base coat shall be smooth and free of any mesh pattern.

Mixing – Open pail of Marbleflex and mix approximately one minute with a fixed wheel type paddle or equivalent mixing blade attached to a 1/2” (13 mm) heavy duty drill at 400-500 rpm. Small additions of water, up to 240 ml (8 oz.) per pail, may be added for workability as needed.

Application – Using a Wind-Lock T-VPF2008, T-VPF2411 or T-VPF2812 Stainless Steel Venetian Plaster Trowel apply a very tight, thin coat of Marbleflex to the surface free of trowel marks. Use moderate to high pressure with a trowel angle of about 60° to 80° to the wall surface. The amount of material applied to the wall surface is paper thin. Allow the Marbleflex to take up for 2-3 hours. Clean the surface to remove any dust.

Apply a paper-thin second coat of Marbleflex using short, random strokes. If increased motting or a higher sheen is desired, burnish using a clean, dry trowel about 30-40 minutes after second application.

Note: Application problems occur when Marbleflex is applied too thick. Only paper thin applications are necessary.

Surface may be spray coated after 24 hours with Master Wall® Metallic Cote, Vintique and/or Clearshield if desired. Follow individual data sheet instructions for products selected.

Cautions and Limitations
- Marbleflex is not intended for deep depressions or irregular surfaces.
- Slope all exterior surfaces 1:2 minimum to shed water.
- Apply in paper thin applications, shrinkage, cracking or blistering can occur over 1/16” (1.6 mm) thick.
- Marbleflex is designed to be applied over a properly installed interior drywall.
- Not for use over any finishes or primers other than Primecoat.
- Application in direct sunlight may affect aesthetics if the Marbleflex dries too quickly. Avoid direct sunlight.
- Use of Clearshield sealer is recommended in high moisture or traffic areas.
- When cleaning do not use harsh or abrasive cleaners. Wash gently using a soap and water solution followed by a warm water rinse.

Approved Substrates
- Interior Drywall
- Master Wall Base Coats
- Others approved in writing

Clean Up
Tools and equipment can be cleaned with soapy water while the Marbleflex is still wet.
Pearlescent Metallic Coating

- 701 Antique Gray
- 702 Arctic Blue
- 703 Buffed Cream
- 704 Forged Copper
- 705 Liberty Bell
- 706 Lush Pearl
- 707 Oceanic
- 708 Polished Nickel

Roll or Spray Applied over Superior Finishes
Spray applied over Plasterflex (semi-smooth)
Spray applied over Savannah (super-smooth)
### Application Procedure

**General**—Air and substrate temperature for application of Metallic Cote must be 50°F (10°C) or higher and must remain 50°F (10°C) or higher for a minimum of 24 hours. Working and drying times are based upon normal room temperature conditions and will vary with temperature and humidity.

**Preparation**—Apply selected finish texture, allow finishes to set a minimum of 24 hours, under room temperature conditions, longer if temperatures are lower or humidity is higher. Surface must be clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents and curing compounds or anything that would affect bond.

**Mixing**—Thoroughly stir the Metallic Cote Finish using a heavy duty 1/2" (12.7 mm) drill at 400-500 rpm and a paddle similar to a Wind-lock B-MTW mixer taking care not to add air to the coating. Small amounts of clean, potable water may be added to obtain a workable consistency up to a maximum of 6 ounces (0.2L) per gallon as needed to obtain the desired consistency. To avoid color inconsistencies only use product with the same batch numbers for a section or elevation and box pails.

**Application**—The application of Metallic Cote requires a skilled artisan applicator familiar with the application of translucent coatings and advanced painting and/or spraying skills. Master Wall suggests the following techniques as a starting point:

- **Over Superior Finishes** - For a metallic or pearlescent look over textured finish apply Metallic Cote finish using a roller or spray technique. Spray technique is preferred. Apply 2-coats in thin applications of 3 mils each, backroll each section in one direction taking care to eliminate lap marks. Keep roller fully loaded. Limit use of a brush to areas that can’t be rolled.

- **Semi-Smooth Look** - Level panels with a thin layer of Plasterflex, allow to set up, then follow with a second layer of Plasterflex. After firm set float with a large venetian plaster float to achieve a smooth surface. Allow to dry and sand as needed with 100 grit sandpaper attached to a long board for consistent leveling. Primecoat may be spray applied to the surface if needed (optional). Spray apply two coats of Master Wall Metallic Cote in thin applications of 3 mils each.

Smooth Look - Level panels with a thin layers of Savannah following the Savannah Data Sheet instructions. Spray apply two coats of Master Wall Metallic Cote in thin applications of 3 mils each.

**Clean Up**—Tools and equipment can be cleaned with soapy water while the coating is still wet.

**For Professional Results**
- Apply finish coats away from direct sunlight.
- Surfaces exposed to the weather must be sloped (6:12 minimum).
- For best results limit panel size to a maximum of 5’x5’ (1.5m2).
- Avoid dark colors over EIFS.

### Equipment

- **Brush:** for water-based semi-gloss paint.
- **Roller:** 1/2” nap, 18” wide polyester or polyester blend with nylon or lambs wool and with beveled ends and phenolic core. Cut-in roller 4” wide of similar construction.
- **Spray:** Strain finish before spraying.
  - HVLP or conventional cup gun or pressure pot. HVLP at 30psi with 60 psi at tank (Binks Mach 1 HVLP with 94 nozzle set to 0.55 or 1.4 mm diameter tip and 90P air nozzle). Fluid pressure 25 psi air pressure 45 psi. Binks 2001 conventional with 66ss air nozzle, .70 or 1.8 fluid tips and 66SD air nozzle, settings fluid 30 psi, air 60 psi.
  - Graco Ultra 1500 airless sprayer or Titan 1140, 3000-3300 psi max working pressure, 1 gpm flow rate, remove all fine filters and replace with 60 mesh filters minimum; silver plus spray gun with stainless steel fluid tube and large fluid passages and no spring in fluid passage, .0031 tip or .032 tip for two stage (recommended).

### Packaging:

- **1-gallon (3.8L) and 5-gallon (19L) pail**
- **Pail Weight/5:** 40 lbs (18.1 kg)
- **Shelf Life:** 6 months
- **Coverage (estimated)**
- **Per Gallon:** 85-100 sf (8-9.3 sm), 2 coats

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**Approved Substrates**

- Superior Finishes
- Aggrelime
- Savannah
- Plasterflex
- Primecoat Primer
- Others approved in writing
Plaster Flex is an ultra-fine version of our Superior Finish line. Suitable for interior or exterior use it can be used to create a textured or ultra-smooth surface using a variety of techniques and can even be applied over existing interior plaster work.

**Interior Uses**
- Levels and skim coats existing plaster or drywall surfaces
- Adheres to most paints
- Bridges Minor Cracking
- Encapsulates Lead Paint
- No messy mixing like traditional plaster finishes
- Tintable

**Exterior Uses**
- Final color coat over Master Wall base coats, One Coat Stucco or traditional stucco
- Detail work: cornices, quoins, etc.
- Tintable

**Packaging:** 5-gallon (19L) pail

**Pail Weight/5:**
65 lbs (29.5 kg)

**Shelf Life:** 2 years

**Coverage (estimated):**
300 sf (28 sm) per pail
Common Application Techniques

**Dash**
Apply a skim coat of Plaster Flex, allow to set up. Follow with a light coat of Plaster Flex sprayed through a hopper gun or spray equipment.

**Knockdown**
Apply a skim coat of Plaster Flex, allow to set up. Follow with a light coat of Plaster Flex sprayed through a hopper gun or spray equipment. Knock down high spots with a stainless steel trowel.

**Smooth**
Apply a skim coat of Plaster Flex, allow to set up. Follow with another skim coat of Plaster Flex, allow to semi-firm set. Mist with a spray bottle filled with water and float with a venetian plaster trowel.

Application Procedure

Job Conditions - Air and substrate temperature for application of Plaster Flex must be 40°F (5°C) or higher and must remain 40°F (5°C) or higher for a minimum of 24 hours. Provide temporary protection to protect the wall system from damage until permanent flashings, caps and sealants are installed. Store materials within prescribed temperature limits and out of direct sunlight. High temperatures will reduce working times, low temperatures and/or high humidity will extend working, set and dry times.

Preparation - The substrate must be approved by Master Wall Inc., clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents and curing compounds or anything that would affect bond. Painted surfaces are not acceptable and must be removed. Concrete and surfaces should cure for a minimum of 28 days. Stucco should be cured until clean, dry and hard—typically 7-14 days.

Interior Drywall - Prime surfaces with Sanded Primecoat primer prior to finishing. Bond test prior to application on previously painted surfaces.

Base Coats - Must be flat, dry hard, and free of efflorescence. Master Wall base coats must cure a minimum of 12 hours before application of Superior Finish. Substrates of brick, masonry or concrete should be leveled smooth using either Master Wall base coats or stucco.

Mixing - Thoroughly stir Plaster Flex using a heavy duty 1/2" (12.7 mm) drill at 400 - 500 rpm and a heavy duty mixing paddle. Small amounts of clean, potable water may be added to obtain a workable consistency. To avoid color variations, add the same amount of water to each pail. Do not exceed 24 ounces (0.7L) of water per pail of finish.

Application — Apply Plaster Flex to match the approved sample texture or effect using the selected tools and techniques. Use stainless steel tools. For best results two thin coats are recommended.

For Professional Results
Apply finish coats away from direct sunlight. Cold joints or color variations can occur if the finish dries too quickly.
Consider priming stucco surfaces with Primecoat to even out finish absorption.
Surfaces exposed to the weather must be sloped (6:12 minimum).
Do not apply to gypsum board or insulation board products.

Clean Up — Tools and equipment can be cleaned with soapy water while the Plaster Flex is still wet.

Approved Substrates
Master Wall Base Coats
Stucco
Prepared & Base Coated Surfaces of:
Brick
Concrete
Masonry
Interior Drywall made ready for paint
Others approved in writing

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160701
Savannah is an ultra fine acrylic based finish for interior or exterior use. It features dirt pickup resistant (DPR) for durability and can achieve a variety of looks depending upon finishing techniques. Savannah is highly breathable, mildew resistant and can also be top coated to provide additional surface protection. Savannah can be custom tinted to a wide selection of standard and custom colors, and will provide a longer lasting and more uniform look to the surface.

- Ready to Use
- Ultra thin applications (two thin coats)
- Cost effective
- Standard and custom colors
- Can be accented with Vintique, Clearshield, Roller-flex or Metallic Cote
**Savannah**

**Temp:** 40°-110°F (5°C-43°C) • **Working Time:** 1/2 hr • **Dry Time:** 24 hrs

at room temperature, working and drying time will vary with temperature and humidity

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**Application Procedure**

**Job Conditions** – Air and surface temperatures must be 4°C (40°F) or higher and must remain so for a minimum of 24 hours. Avoid exposure to direct sunlight during application. Protect the finish from rain and temperatures less than 40°F (5°C) for a minimum of 24 hours.

**Surface Preparation** – **Interior Drywall:** smooth, flat dust-free and ready for paint. Clean the surface in preparation for Savannah. Prime wall with Primecoat Primer and allow to dry. **Exterior:** Master Wall® base coat is required as a leveling coat for all surfaces and shall be smooth and free of any mesh pattern. Scrape or sand base coat so the surface is smooth, level and free of imperfections. Remove any dust caused by the sanding.

**Mixing** – Open pail of Savannah and mix approximately one minute with a fixed wheel type paddle or equivalent mixing blade attached to a 1/2” (13 mm) heavy duty drill at 400-500 rpm. Do not add water.

**Application** – Using a Wind-Lock T-VPF2008, T-VPF2411 or T-VPF2812 Stainless Steel Venetian Plaster Trowel apply a very tight, thin coat of Savannah to the surface free of trowel marks a maximum of 1/16” (1.6 mm) thick. After the first coat has flash dried (5-10 minutes), double back and apply another tight coat. Allow to dry for a minimum of 8 hours and apply another tight, thin coat of Savannah and trowel smooth.

**Note:** Application problems occur when Savannah is applied too thick. **Only paper thin applications are necessary.**

**Surface** may be spray coated after 24 hours with Master Wall® Metallic Cote, Vintique Clearshield or Roller-flex if desired. Follow individual data sheet instructions for products selected.

**Cautions and Limitations**

- Smaller surface areas achieve a more consistent appearance. Areas larger than 5’ x 5’ (1.5 x 1.5m) in size can have characteristic mottling.
- Savannah is not intended for deep depressions or irregular surfaces.
- Slope all exterior surfaces 1:2 minimum to shed water.
- Apply in paper thin applications, shrinkage, cracking or blistering can occur over 1/16” (1.6 mm) thick.
- Savannah is designed to be applied over a properly installed interior drywall.
- Not for use over any finishes or primers other than Primecoat.
- Application in direct sunlight may affect aesthetics if the Savannah dries too quickly. Avoid direct sunlight.
- Use of Clearshield sealer is recommended in high moisture or traffic areas.
- When cleaning do not use harsh or abrasive cleaners. Wash gently using a soap and water solution followed by a warm water rinse.

**Approved Substrates**

- Interior Drywall
- Master Wall Base Coats
- Others approved in writing

**Clean Up**

Tools and equipment can be cleaned with soapy water while the Savannah is still wet.

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Superior Stone Finishes uses integrally colored beads to create the look of fine granite. Applied over a tinted Primecoat Primer, Superior Stone is easily applied for an upscale look on building interiors or exteriors at a relatively low cost.
**Superior Stone**

**Temp: 50°-110°F (10°-43°C) • Working Time: 1 hr • Dry Time: 72 hrs**

at room temperature, working and drying time will vary with temperature and humidity

**Application Procedure**

**General**—Air and substrate temperature for application of Superior Stone must be 50°F (10°C) or higher and must remain 50°F (10°C) or higher for a minimum of 24 hours. Working and drying times are based upon normal room temperature conditions and will vary with temperature and humidity. Dry time will vary, typically 8-12 hours to firm set and 48-72 hours to fully dry at room temperature.

**Preparation**—The substrate must be approved by Master Wall Inc., clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents and curing compounds or anything that would affect bond. Painted surfaces are not acceptable and must be removed. Concrete and surfaces should cure for a minimum of 28 days. Stucco should be cured until clean, dry and hard—typically 14 days.

Interior drywall should be finished and made ready for paint. Prime surfaces with Sanded Primecoat primer prior to finishing with Superior Stone.

**Base Coats**—Must be flat, dry hard, and free of efflorescence. Master Wall base coats must cure a minimum of 12 hours before application of Superior Finish. Substrates of brick, masonry or concrete should be leveled smooth using either Master Wall base coats or stucco.

**Mixing**—Thoroughly stir the Superior Stone Finish using a heavy duty 1/2" (12.7 mm) drill at 400-500 rpm and a paddle similar to a Wind-lock B-MTW mixer. Small amounts of clean, potable water may be added to obtain a workable consistency. To avoid texture or coverage variations, add the same amount of water to each pail. Don't exceed 24 ounces (0.7L) of water per pail.

**Application**—Prime the surface with Master Wall Primecoat or Sanded Primecoat tinted to match the predominate color of stone in the selected Superior Stone color. Allow Primecoat to dry a minimum of 12 hours prior to finish coat application.

Superior Stone Finish should be applied in two coats. The first coat can be trowel or spray applied.

**Trowel Application**—Apply the Superior Stone Finish to the clean, dry and cured base coat with a stainless steel trowel. Trowel finish uniformly then scrape down to a thickness equal to the size of the aggregate. Trowel to eliminate trowel marks and irregularities.

**Spray Application**—Using a conventional plaster hopper gun or a proven pump, spray two coats of the finish over the primed base coat to achieve the desired texture. If the first coat was trowel applied, a minimum of one spray coat is required as the finish coat. Use a circular overlapping pattern keeping the spray gun at a 90º angle to the surface maintaining the same distance to the wall at all times. The first coat should dry a minimum of one hour prior to the application of the second coat. Be cautious of flooding an area with too much finish as it may appear shinier and more textured when it dries.

**Clean Up**—Tools and equipment can be cleaned with soapy water while the finish coat is still wet.

**For Professional Results**

Apply finish coats away from direct sunlight.

Surfaces exposed to the weather must be sloped (6:12 minimum).

Finishes are intended for the approved substrates listed above and should not be applied directly to gypsum board or insulation board products except as noted above.

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**Approved Substrates**

- Interior Drywall
- Master Wall Base Coats
- Others approved in writing

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160601
Taratex finish recreates the look of aged earth plaster with the durability of an acrylic finish. The hand-troweled finish can be drawn smooth or left raw for a more earthly look.

- Ready to Use
- Thin applications (two thin coats)
- Cost effective
- Tintable, available in 64 standard colors, custom colors available
- Can be accented with Clearshield or Vintique
Application Procedure

Job Conditions – Air and surface temperatures must be 4°C (40°F) or higher and must remain so for a minimum of 24 hours. Avoid exposure to direct sunlight during application. Protect the finish from rain and temperatures less than 40°F (5°C) for a minimum of 24 hours after finished application.

Surface Preparation – Interior Drywall: smooth, flat and ready for paint. Clean the surface in preparation for Taratex. Prime wall with Primecoat Primer and allow to dry. Exterior: Master Wall® base coat shall be smooth and free of any mesh pattern.

Mixing – Open pail of Taratex and mix approximately one minute with a fixed wheel type paddle or equivalent mixing blade attached to a 1/2” (13 mm) heavy duty drill at 400-500 rpm. Small additions of water, up to 240 ml (8 oz.) per pail, may be added for workability as needed.

Application – Apply Taratex with a standard stainless steel plaster trowel or Italian Trowel. Apply the first coat of Taratex using decorative, multi-directional trowel strokes. Achieve the bulk of the filling/leveling the substrate will require with the first coat. Allow the first coat to dry completely before proceeding. Allow the Taratex to take up for 24 hours. Clean the surface to remove any dust and scrape as needed to remove any fins or imperfections in the surface.

Apply the second coat of Taratex using decorative, multi-directional trowel strokes at a thickness of the largest aggregate that is in the material. The second coat of Taratex may be applied in a full coverage coat to create a semi-smooth plaster finish. Alternatively the second may be textured, leaving some of the first coat exposed in areas creating a more distressed old world appearance.

Allow the second coat to dry slightly and then water-trowel. This is achieved by applying a film of water from a spray bottle set to a fine mist to the surface and then troweling smooth. Clearshield or Vintique may be used during the water trowel process to increase color variation.

After the second coat has dried to the touch it can be slightly compressed using a clean, dry stainless steel trowel. Additional Clearshield or Vintique may be applied after the surface has dried to increase color variation or tones.

Surface may be spray coated after 24 hours with Master Wall® Vintique and/or Clearshield if desired. Follow individual data sheet instructions for products selected.

Cautions and Limitations

• Taratex is not intended for deep depressions or irregular surfaces.
• Slope all exterior surfaces 1:2 minimum to shed water.
• Apply in paper thin applications, shrinkage, cracking or blistering can occur over 1/16” (1.6 mm) thick.
• Taratex is designed to be applied over a properly installed interior drywall.
• Not for use over any finishes or primers other than Primecoat.
• Application in direct sunlight may affect aesthetics if the Taratex dries too quickly. Avoid direct sunlight.
• Use of Clearshield sealer is recommended in high moisture or traffic areas.
• When cleaning do not use harsh or abrasive cleaners. Wash gently using a soap and water solution followed by a warm water rinse.

Approved Substrates

Interior Drywall
Master Wall Base Coats
Others approved in writing

Clean Up
Tools and equipment can be cleaned with soapy water while the Taratex is still wet.
Travertine finish recreates an intricate look of a plastered wall surface with the mottled hues of natural travertine limestone. The easily applied texture highlights wall surfaces with a very subtle glistening effect that would be perfect for home or upscale commercial projects.

- Ready to Use
- Ultra thin applications (two thin coats)
- Cost effective
- Tintable, available in 12 standard colors
- Can be accented with Vintique, Clearshield or Metallic Cote

**Travertine**  
**Natural Clay Color**
Travertine
Brilliant Fine Finish with Travertine Limestone Accents

Cantaloupe
Cashmere
Charcoal
Cinnamon
Hampton
Maple

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Travertine
Brilliant Fine Finish with Travertine Limestone Accents

- Natural Clay
- Pearl White
- Pebble
- Ringwood
- Sage
- Winchester

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Application Procedure

Job Conditions – Air and surface temperatures must be 4°C (40°F) or higher and must remain so for a minimum of 24 hours. Avoid exposure to direct sunlight during application. Protect the finish from rain and temperatures less than 40°F (5°C) for a minimum of 24 hours.

Surface Preparation – Interior Drywall: smooth, flat and ready for paint. Clean the surface in preparation for Travertine. Prime wall with Primecoat Primer and allow to dry. Exterior: Master Wall® base coat shall be smooth and free of any mesh pattern.

Mixing – Open pail of Travertine and mix approximately one minute with a fixed wheel type paddle or equivalent mixing blade attached to a 1/2” (13 mm) heavy duty drill at 400-500 rpm. Small additions of water, up to 240 ml (8 oz.) per pail, may be added for workability as needed.

Application – Using a Wind-Lock T-VPF2008, T-VPF2411 or T-VPF2812 Stainless Steel Venetian Plaster Trowel apply a very tight, thin coat of Travertine to the surface free of trowel marks. Use moderate to high pressure with a trowel angle of about 60° to 80° to the wall surface. The amount of material applied to the wall surface is paper thin. Allow the Travertine to take up for 2-3 hours. Clean the surface to remove any dust.

Apply a paper-thin second coat of Travertine using short, random strokes. If increased mottling or a higher sheen is desired, burnish using a clean, dry trowel about 30-40 minutes after second application.

Note: Application problems occur when Travertine is applied too thick. Only paper thin applications are necessary.

Surface may be spray coated after 24 hours with Master Wall® Metallic Cote, Vintique and/or Clearshield if desired. Follow individual data sheet instructions for products selected.

Cautions and Limitations

- Travertine is not intended for deep depressions or irregular surfaces.
- Slope all exterior surfaces 1:2 minimum to shed water.
- Apply in paper thin applications, shrinkage, cracking or blistering can occur over 1/16” (1.6 mm) thick.
- Travertine is designed to be applied over a properly installed interior drywall.
- Not for use over any finishes or primers other than Primecoat.
- Application in direct sunlight may affect aesthetics if the Travertine dries too quickly. Avoid direct sunlight.
- Use of Clearshield sealer is recommended in high moisture or traffic areas.
- When cleaning do not use harsh or abrasive cleaners. Wash gently using a soap and water solution followed by a warm water rinse.

Approved Substrates
- Interior Drywall
- Master Wall Base Coats
- Others approved in writing

Clean Up
Tools and equipment can be cleaned with soapy water while the Travertine is still wet.
Use Over
Brick
Concrete
Tilt-up Concrete
CMU
Stucco
Others approved in writing

VOC: <1% by Weight
VOC: 3 g/l
Manufacture Locations:
30058 • 77474 • 84651

Packaging: 5 gallon (19L)
pail
Pail Weight: 60 lbs (27 kg)
Shelf Life: 2 years
Coverage (estimated)
250-300 sf (23-28 sm)

Technical Data
Accelerated Weathering: Pass, 2000 hours
Specific Gravity g/cc: 1.70
Weight per Gallon, lbs: 13.0
Solids % by weight: 78.0
Solids % by Volume: 70.0
Wet Coating Thickness, mils: 25-30
Dry Coating Thickness, mils: 20-22
Solvent: Water

Master Wall® ReCote™ is an acrylic textured wall coating formulated for direct application to masonry, concrete and tilt-up concrete panels.

- Beautifully light textured surface
- Apply with brush, roller or spray equipment
- 64 Master Wall® Colors plus popular Boral® Colors
- Water-based for easy cleanup

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Temp: 50°-110°F (10°-43°C) Working Time: 1/2 hr Dry Time: 1-3 hrs (set) 24-48 (fully dry) 
at room temperature, working and drying time will vary with temperature and humidity

Application Procedure

General - Air and substrate temperature for application of ReCote™ must be 50°F (10°C) or 
higher and must remain 50°F (10°C) or higher for a minimum of 24 hours. Working and drying 
times are based upon normal room temperature conditions and will vary with temperature and 
humidity. ReCote™ is not intended for horizontal applications such as floors, steps or other high 
traffic areas, or for below grade applications.

Preparation - Most existing surfaces will only need cleaning with an appropriate cleaner prior to 
the ReCote™ application. Avoid strong acid-based cleaners and allow all surfaces to fully dry 
prior to application. In situations where there is a drastic color change, walls are deteriorated, very 
porous, previously painted, or present other integrity issues use Master Wall Inc.® Primercoat. The substrate must be approved by Master Wall Inc.®, clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents 
and curing compounds or anything that would affect bond. Test painted surfaces prior to application. Concrete should cure for a minimum of 28 days. Mixing - ReCote™ is pre-mixed in the pail, but minor separation may occur during shipping and storage. Prior to application, mix the material thor- oughly with a drill and paddle mixer for several minutes to ensure proper blending. If a texture sprayer will be used for the application add 1 pint of 
water (16 oz, 0.47L) to the full pail prior to mixing. If the material is to be applied by brush, no additional water is needed. No boxing of materials is necessary, but when adding water make sure to add the same amount of water to each pail. Keep unused pails tightly sealed and protected from ad- verse conditions.

Brush or Roller Application - Applying ReCote™ with a brush or rollers should produce a durable, uniform finish under most situations. However, special attention should be given to how much material is loaded on the wall initially, how much excess material is left to pool in 
the mortar joints and how the brush marks or roller lines are minimized. Brushing or rolling the coating material on the wall, as opposed to 
applying it with a sprayer, will result in a slightly different finish and may reduce cover- age. Heavy brush or roller marks can be minimized by re-brushing with a soft bristle brush using light pressure.

Spray Application - Using a hopper gun and air compressor or com- bined texture pump and air compressor unit, apply ReCote™ to the wall at a distance of 12-18 inches (0.3-0.5 m) from the surface. Use con- tinuous regulated pressure to produce a consistent, fine spray. Always keep the spray gun pointed perpendicular to the wall and move at a 
slow pace sufficient to cover the masonry without flooding, built-up patches or runs. Work section by section in a circular pattern, overlapping each pass 
several inches so that a uniform thickness and texture is created. If the wall has recessed mortar joints or deep indentations in the surface, angle the 
spray equipment for complete coverage. For best results, a lighter second pass should be applied to even out color and texture variation before mov- 
ing on to the next section.

Application Precautions - ReCote™ should not be applied when the substrate has a high moisture content as a result of heavy rain, recent cleaning, or 
a rising damp situation. High moisture levels can lead to coating damage and poor bond. To minimize the potential for streaking, splotchy areas and 
cold joints, fully complete sections and schedule stops at naturally occurring breaks in the wall such as an internal or external corner.

For spraying ReCote™, texture spray equipment must be used. Conventional airless or air assisted paint sprayers will clog and suffer damage from 
the sand content in ReCote™.

Clean-Up - ReCote™ may be cleaned with soap and water prior to drying. After the material has dried and cured, it can be removed with a wire brush 
or scraper, pressure washer using high pressure and a narrow angle spray tip or commercial strippers. Follow manufacturers instructions for spray 
equipment clean up.

Maintenance - Periodic maintenance cleaning to remove dirt, grime and other stains can be handled using a mild detergent cleaner or trisodium phos- phate (TSP) with a soft bristle brush. If a pressure washer must be used make sure there is a combination of 1) sufficient but low pressure, 2) a wide 
angle spray tip, and 3) adequate distance from the wall to prevent any damage to the coating.

Caution - Ingestion hazard, keep out of the reach of children. If swallowed give 1-2 glasses of water. Do not induce vomiting. Based on the volume 
ingested, seek medical advice or immediate medical attention. In case of contact with eyes, flush thoroughly with warm water for 15 minutes. Obtain the MSDS for more detailed information at our website.

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160701
Vintique

Antiquing Accent

Applications
Master Wall Finishes

VOC: <1% by Weight
VOC: 0.4 g/l
Manufacture Locations:
30058 • 77474• 84651

Packaging: 5 gallon (19L) pail
Pail Weight: 43 lbs (16 kg)
Shelf Life: 2 years

Coverage (estimated)
Expect about 1000 to 1200 square feet (90-110 m²) of wall area per pail. Coverage will vary by application and substrate condition.

Vintique is used as an antiquing stain to simulate century old plaster. Using a variety of artistic techniques, it’s designed to create a faux finish while maintaining the durability of our Master Wall Finishes.

- Standard Colors: White, Brown, Black
- 16 New Colors
- Apply over white or tinted finishes

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Vintique Color/Marbleflex Color, sprayed and sponge technique

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Application Procedure

Vintique is used as an antiquing stain to simulate century old plaster. Using a variety of artistic techniques, it's designed to create a faux finish while maintaining the durability of our Superior Finish or other Master Wall Finish.

Working Time: Ready to use right from the pail after pre-mixing.

Drying Time: Dries quickly when applied thinly but varies by air temperature, humidity and surface temperatures. Under normal room temperatures Vintique will dry to the touch in less than 1/2 hour, ready to re-coat in 2 hours. Protect work from rain and temperatures less than 45°F (7°C) for a minimum of 24 hours.

Storage & Shelf Life: Store above 40°F (4°C) and below 110°F (43°C) and out of direct sunlight. Shelf life is approximately two years under these conditions.

Job Conditions - Air and substrate temperature for application of Vintique must be 45°F (7°C) or higher and must remain 45°F or higher for a minimum of 24 hours.

Temporary Protection – Must be provided at all times until the Vintique has dried. Ensure that consistent wall temperatures are maintained prior to and during the application of Vintique. Failure to do so will result in unwanted discoloration. This may include, but is not limited to, shadowing from landscaping, scaffolding, roof overhangs, blushing, etc.

Surface Preparation - Surface temperature must be above 45°F. Surface must be clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents, and curing compounds. On previously painted surfaces, all loose, peeling and chalking paint must be removed. Any glossy areas must be sanded.

Substrates – Approved substrates for Vintique include Master Wall Superior Finishes, Marbleflex, Travertine and existing prepared acrylic textured and smooth finishes.

Mixing - Add the tint vial (if not pre-tinted) and thoroughly stir Vintique into a homogenous consistency. Small amounts of clean, potable water may be added to obtain a workable consistency. Do not over mix. Do not exceed 24 ounces (0.7L) of water per pail. Do not add accelerators or retarders to Vintique. Vintique will need to be continually agitated during application. Do not allow to settle.

Application – Vintique can be applied by spray bottle, brush, roller, garden type sprayer, sponge or airless spray equipment. The final appearance of Vintique depends on the individual applicator and job site mock-ups are recommended. See our technical bulletin for additional techniques. If sagging or running occurs use a brush, sponge, clean rag or roller to correct immediately. Check wall throughout the application to ensure that uniformity and the desired appearance is achieved.

Clean Up – Tools and equipment can be cleaned with soapy water when Vintique is wet.

Limitations – Do not use Vintique as a finish directly over any Master Wall base coat, follow finish slope recommendations, not for use horizontally or below grade.

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Clearshield
Surface Sealer and Protectant

To finish strong you need a crystal clear penetrating sealer and protectant that protects from UV deterioration and is vapor permeable. Clearshield sealer may be used in our Superior Finish line but also helps deepen tones and protect most of our specialty finishes.

Application Procedure

Job Conditions - Air and substrate temperature for application of Clearshield must be 45°F (7°C) or higher and must remain 45°F or higher for a minimum of 24 hours.

Temporary Protection – Must be provided at all times until the Clearshield has dried.

Surface Preparation - Surface temperature must be above 45°F (7°C). Surface must be clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents, and curing compounds. On previously painted surfaces, all loose, peeling and chalking paint must be removed. Any glossy areas must be sanded.

Acrylic Textured Finishes (Superior Finishes) —Surfaces must be clean and dry. Clean existing surfaces following recommended and accepted practices. See our Cleaning and Maintenance Technical Bulletin for additional information.

Specialty Finishes - Clean and dry as above. Tones will deepen and a sample is recommended for approval.

Mixing - Thoroughly stir Clearshield into a homogenous consistency. In the pail, Clearshield will have a milky white color. Avoid introducing air into the coating. Do not over mix. Do not add accelerators or retarders to Clearshield.

Application – Clearshield can be applied by brush, roller, or airless spray equipment. When using a roller, a sponge roller is recommended. Apply Clearshield in an even, continuous coat, maintaining a wet edge. Clearshield will apply milky white and dry clear.

Clean Up
Tools and equipment can be cleaned with water when Clearshield is wet.

Limitations
Clearshield should not be used as a primer color coat.

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Packaging: 5 gallon (19L) pail
Pail Weight: 43 lbs (19.5 kg)
Coverage (estimated): 800-1000 sf/pail (74-93 sm)
Dry to Touch: 10 minutes @ room temperature
Recoat Time: 6 hours @ room temperature
Drying Time: 6 hours @ room temperature
Application Range: 45º-110ºF (7º-43ºC)
Shelf Life: 2 years

Approved Substrates
Master Wall Finishes
Others approved in writing

Manufacture Locations:
30058 • 77474 • 84651
Recycled Content: 0%
Customized Brick and Texture Application

- Interior or Exterior
- Create brick or stone looks
- Applies over EIFS, Stucco or other approved substrates
- Light weight, no extra footings needed
- Your choice of mortar and brick colors

Now you can create your own brick texture finish using Master Wall Superior Finishes. The choice is yours with this highly customized brick finish and you can vary the finish textures, mortar colors and accent techniques using Vintique. Create your custom look today!

Common Patterns

<table>
<thead>
<tr>
<th>Brick Type</th>
<th>Dimensions</th>
<th>Mortar Joint</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regular Face Brick</td>
<td>2-1/4&quot; x 7-3/4&quot;</td>
<td>1/2&quot;</td>
</tr>
<tr>
<td>Utility Brick</td>
<td>3-5/8&quot; x 11-5/8&quot;</td>
<td>1/2&quot;</td>
</tr>
<tr>
<td>Stack Bond Brick</td>
<td>3-7/8&quot; x 7-5/8&quot;</td>
<td>1/2&quot;</td>
</tr>
<tr>
<td>Running Bond Brick</td>
<td>3-7/8&quot; x 7-5/8&quot;</td>
<td>1/2&quot;</td>
</tr>
<tr>
<td>Mid Town Brick</td>
<td>3&quot; x 10-1/2&quot;</td>
<td>1/2&quot;</td>
</tr>
<tr>
<td>Herringbone Brick</td>
<td>3-5/8&quot; x 7-3/4&quot;</td>
<td>1/2&quot;</td>
</tr>
<tr>
<td>Metric Face Brick</td>
<td>2&quot; x 7-7/8&quot;</td>
<td>3/8&quot;</td>
</tr>
<tr>
<td>Queens Brick</td>
<td>2-3/4&quot; x 7-7/8&quot;</td>
<td>3/8&quot;</td>
</tr>
<tr>
<td>Hudson Brick</td>
<td>3-5/8&quot; x 11-1/2&quot;</td>
<td>1/2&quot;</td>
</tr>
</tbody>
</table>

Custom patterns also available
Brick look finishes are becoming a popular method of finishing off EIFS or stucco projects. They can offer an effective representation of brick or stone without the weight or difficulty of installation. Of course, much is dependent upon the skill and creativity of the applicator.

**The Steps**
The steps involved are relatively simple. If the installation is over EIFS, the wall must be meshed and base coated, ready for finish. Stuccos and One Coat Stuccos must be cured, dry and ready for a finish coat. Typical applications include the following steps:

- Base Color Application, typically Refinish Texture
- Stencil Application
- Finish Color Application, Usually Refinish, Spray, Perfect Textures or a combination
- Texturing to meet desired texture
- Accenting as needed with Vintique

Creating these looks is more art than science. You may find the need to vary the techniques to suit your particular project.

**Typical Application**

- Select Mortar and Brick Color
- Apply Mortar Color
- Place Stencil
- Apply and Texture Brick Color
- Remove Stencil
- Accent with Vintique if desired
To finish strong you need a Superior Architectural Coating. Formulated with the same polymers as our Superior Finishes, Roller-flex is made for coating textured acrylic finishes. Not heavy like a paint, Roller-flex leaves more of the texture appearance and is specially suited for changing color of existing finishes or coating decorative trim.

**Application Procedure**

**Job Conditions** - Air and substrate temperature for application of Roller-flex must be 40°F (5°C) or higher and must remain 40°F (5°C)or higher for a minimum of 24 hours. Provide temporary protection until Roller-flex is fully dried. Store materials within prescribed temperature limits and out of direct sunlight. Working and drying times are based upon normal room temperature conditions and will vary with temperature and humidity.

**Preparation** - The substrate must be approved by Master Wall Inc., clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents and curing compounds or anything that would affect bond. On previously painted surfaces, all loose, peeling and chalking paint must be removed. Any glossy surfaces must be sanded to provide appropriate bond.

Concrete – Must have cured a minimum of 28 days prior to the application of Roller-flex. If form release agents or curing compounds exist on the surface, they must be removed with a solution of muriatic acid or similar product (with appropriate precautions). Remove any residual acid by flushing with water.

Masonry, Concrete, Brick & Stucco – Must have cured, dry and ready for the application of Roller-flex. If additives were used in the substrate it is recommended that a test patch be made to evaluate bond strength of the Roller-flex.

Master Wall Superior Finishes/Previously Painted Surfaces/Cement Composition Siding—Clean and dry.

**Priming**—Prime surfaces such as concrete, masonry and stucco with Master Wall Primecoat if required to equalize substrate absorption. Priming may not be necessary over Master Wall Superior Finishes, previously painted surfaces or pre-primed cement composition siding.

**Mixing** - Thoroughly stir Roller-flex into a homogenous consistency. Small amounts of clean, potable water may be added to obtain a workable consistency. Do not over mix. Do not exceed 24 ounces (0.7L) of water per pail. Do not add accelerators or retarders to Roller-flex.

**Application** – Roller-flex can be applied by brush, roller, or airless spray equipment. When using a roller, a maximum ½” (19 mm) nap is recommended. Apply Roller-flex in an even, continuous coat about 4 mils thick, maintaining a wet edge. For professional results, two (2) coats of Roller-flex are recommended with a total of two mils dry.

**Clean Up**

Tools and equipment can be cleaned with soapy water when Roller-flex is wet.

**Limitations**

Do not use Roller-flex as a finish directly over any Master Wall base coat.

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masterwall.com

PO Box 397 • Fortson • GA • 31808 • 800-755-0825 • Tech: 800-760-2861
To finish strong over hairline cracking common in stucco and masonry you need a Superior Architectural Coating. Formulated with 100% pure acrylic elastomeric polymers, Elasto-flex dries to a stretchy rubber-like film on the surface yet is vapor permeable.

Application Procedure

Job Conditions - Air and substrate temperature for application of Elasto-flex must be 50°F (10°C) or higher and must remain 50°F (10°C) or higher for a minimum of 24 hours. Provide temporary protection to protect the wall system from damage until permanent flashings, caps and sealants are installed. Store materials within prescribed temperature limits and out of direct sunlight. Working and drying times are based upon normal room temperature conditions and will vary with temperature and humidity.

Surface Preparation - Surface temperature must be above 50°F (10°C). Surface must be clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents, and curing compounds. On previously painted surfaces, all loose, peeling and chalking paint must be removed. Any glossy areas must be sanded.

Concrete – Must have cured a minimum of 28 days prior to the application of Elasto-flex. If form release agents or curing compounds exist on the surface, they must be removed with an appropriate solution. Remove any residual solution by flushing with water.

Stucco – Must be cured, dry and unpainted. If additives were used in the stucco, it is recommended that a test patch be made to evaluate bond strength of the Elasto-flex to the stucco.

Master Wall Superior Finishes—Clean and dry.

Mixing - Thoroughly stir Elasto-flex into a homogenous consistency. Small amounts of clean, potable water may be added to obtain a workable consistency. Do not over mix. Do not exceed 12 ounces (0.35L) of water per pail. Do not add accelerators or retarders to Elasto-flex.

Application – Elasto-flex can be applied by brush, roller, or airless spray equipment. When using a roller, a maximum ¾” nap is recommended. Apply Elasto-flex in an even, continuous coat, maintaining a wet edge of 20 mils wet for a dry thickness of 10 mils.

Clean Up
Tools and equipment can be cleaned with soapy water when Elasto-flex is wet.

Limitations
Do not use Elasto-flex as a finish directly over any Master Wall base coat.

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To finish strong you need a Superior Primer that can help solidify and protect the surface. Integrally colored Primecoat Primer helps make finishes brighter and deeper, reduces efflorescence and extends finish coverage rates. Suitable for priming new stucco and concrete that has a pH of 13 or less.

Application Procedure

Job Conditions - Air and substrate temperature for application of Primecoat must be 40°F (5°C) or higher and must remain 40°F (5°C) or higher for a minimum of 24 hours. Provide temporary protection to protect the wall system from damage until permanent flashings, caps and sealants are installed. Store materials within prescribed temperature limits and out of direct sunlight. Working and drying times are based upon normal room temperature conditions and will vary with temperature and humidity.

Preparation - The substrate must be approved by Master Wall Inc., clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents and curing compounds or anything that would affect bond. Painted surfaces are not acceptable and must be removed.

Concrete – Must have cured a minimum of 28 days prior to the application of Primecoat. If form release agents or curing compounds exist on the surface, they must be removed with a solution of muriatic acid or similar product (with appropriate precautions). Remove any residual acid by flushing with water. All projections must be removed and any voids filled with F&M, F&M Plus, or MBB.

Masonry – Skim coat with F&M, F&M Plus, or MBB to achieve a smooth level surface. If joints are not struck flush, multiple coats may be required. Contact Master Wall for more information.

Stucco – Must have cured to a minimum pH of 10 or less or aged 7-14 days and be clean, dry and hard with a prior to the application of Primecoat. If additives were used in the stucco, it is recommended that a test patch be made to evaluate bond strength of the Primecoat to the stucco.

Master Wall Base Coats or Finishes/Previously Painted Surfaces/Cement Composition Siding—Install and prepare according to published guidelines. Surfaces should be clean, dry, cured and ready to receive coatings.

Mixing - Thoroughly stir Primecoat into a homogenous consistency. Small amounts of clean, potable water may be added to obtain a workable consistency. Do not exceed 24 ounces (0.7L) of water per pail. Do not add accelerators or retarders to Primecoat.

Application – Primecoat can be applied by brush, roller, or airless spray equipment. When using a roller, a maximum ¼” (19 mm) nap is recommended. Apply Primecoat in an even, continuous coat of about 3 mils, maintaining a wet edge.

Clean Up
Tools and equipment can be cleaned with soapy water when Primecoat is wet.

Limitations
Primecoat is not intended for use as the final finish coat over Master Wall base coats or other approved substrates.

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Sanded Primecoat Primer

To finish strong you need a Superior Primer that can help solidify and protect the surface. Integrally colored Sanded Primecoat Primer helps make finishes brighter and deeper, reduces efflorescence and extends finish coverage rates and provides extra grip for the textured finish. Suitable for priming new stucco and concrete that has a pH of 13 or less.

Approved Substrates
Master Wall Base Coats
Stucco
Prepared & Base Coated Surfaces of Brick, Concrete, Masonry
Others approved in writing

VOC: <1% by Weight
VOC: 1.4 g/l
Manufacturer Locations:
30058 • 77474 • 84651
Recycled Content: 0%

Packaging: 5 gallon (19L) pail
Pail Weight: 53 lbs (24 kg)
Coverage (estimated):
1000-1200 sf/pail (93-112 sm)
Dry to Touch: 1 hour @ room temperature
Recoat Time: 2 hours @ room temperature
Drying Time: 12 hours @ room temperature
Application Range: 40º-110ºF (5º-43ºC)
Sheel Life: 2 years

Product Test Standards

Information contained in this product data sheet conforms to the standard detail recommendations and specifications for the installation of Master Wall Inc.* products and is presented in good faith. Master Wall Inc.* assumes no liability, expressed or implied as to the architecture, engineering, or workmanship of any project. This information may be concurrent with, or superseded by other applicable documents, such as specifications and details. Contact Master Wall Inc.* for the most current product information. © 2016 Master Wall Inc.*

Application Procedure

Job Conditions - Air and substrate temperature for application of Sanded Primecoat must be 40°F (5°C) or higher and must remain 40°F (5°C) or higher for a minimum of 24 hours. Provide temporary protection to protect the wall system from damage until permanent flashings, caps and sealants are installed. Store materials within prescribed temperature limits and out of direct sunlight. Working and drying times are based upon normal room temperature conditions and will vary with temperature and humidity.

Preparation - The substrate must be approved by Master Wall Inc., clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents and curing compounds or anything that would affect bond. Painted surfaces are not acceptable and must be removed.

Concrete – Must have cured a minimum of 28 days prior to the application of Sanded Primecoat. If form release agents or curing compounds exist on the surface, they must be removed with a solution of muriatic acid or similar product (with appropriate precautions). Remove any residual acid by flushing with water. All projections must be removed and any voids filled with F&M, F&M Plus, or MBB.

Masonry – Skim coat with F&M, F&M Plus, or MBB to achieve a smooth level surface. If joints are not struck flush, multiple coats may be required. Contact Master Wall for more information.

Stucco – Must have cured to a minimum pH of 10 or less or aged 7-14 days and be clean, dry and hard with a prior to the application of Sanded Primecoat. If additives were used in the stucco, it is recommended that a test patch be made to evaluate bond strength of the Sanded Primecoat to the stucco.

Master Wall Base Coats or Finishes/Previously Painted Surfaces/Cement Composition Siding—Install and prepare according to published guidelines. Surfaces should be clean, dry, cured and ready to receive coatings.

Mixing - Thoroughly stir Sanded Primecoat into a homogenous consistency. Small amounts of clean, potable water may be added to obtain a workable consistency. Do not exceed 24 ounces (0.7L) of water per pail. Do not add accelerators or retarders to Sanded Primecoat.

Application – Sanded Primecoat can be applied by brush, roller, or airless spray equipment. When using a roller, a maximum ¾” (19 mm) nap is recommended. Apply Sanded Primecoat in an even, continuous coat of about 3 mils, maintaining a wet edge.

Clean Up
Tools and equipment can be cleaned with soapy water when Sanded Primecoat is wet.

Limitations
Sanded Primecoat is not intended for use as the final finish coat over Master Wall base coats or other approved substrates.

masterwall.com
F&M Adhesive & Base Coat

Foam & Mesh Adhesive (F&M) is a 100% acrylic formulated high performance base coat and adhesive used in Master Wall Systems or over prepared substrates including brick, masonry, concrete and stucco.

- Adheres insulation board to approved substrates
- Excellent water resistance
- Mixes 1:1 with Portland cement to a creamy consistency
- Base coat for Aggre-flex Mesh

VOC: <1% by Weight
VOC: 0.9 g/l
Manufacture Locations:
30058 • 77474 • 84651

Packaging: 5 gallon (19L) pail
Pail Weight: 60 lbs (27 kg)
Shelf Life: 2 years

Coverage (estimated)
Adhesive & Standard Base Coat: 120 sf (11 sm)
Embedding Single-layer of Mesh: 240-280 sf (22-26 sm)
Double Layer of Mesh: 80-230 sf (7.5-21 sm)
Notched Trowel Adhesive Application: 135 sf (12.5 sm)

Product Test Standards
**F&M Adhesive & Base Coat**

**Temp: 40°-110°F (5°-43°C) • Working Time: 1 hr • Dry Time: 12 hrs**

*at room temperature, working and drying time will vary with temperature and humidity*

**Application Procedure**

**Job Conditions** - Air and substrate temperature for application of F&M must be 40°F (5°C) or higher and must remain 40°F (5°C) or higher for a minimum of 24 hours. Provide temporary protection to protect the wall system from damage until permanent flashings, caps and sealants are installed. Store materials within prescribed temperature limits and out of direct sunlight. Working and drying times are based upon normal room temperature conditions and will vary with temperature and humidity.

**Preparation** - The substrate must be approved by Master Wall Inc., clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents and curing compounds or anything that would affect bond. Painted surfaces are not acceptable and must be removed.

**Mixing** - Thoroughly stir F&M using a heavy duty 1/2” (12.7 mm) drill at 400 - 500 rpm and a heavy duty mixing paddle. Pour half of the stirred F&M into a clean plastic pail. Add Type I or I-II Portland cement to the half pail of F&M in a ratio of one-to-one by weight and mix to a homogenous consistency. Let the mixture stand for 3 to 5 minutes and then stir to a creamy consistency. Up to 30 ounces (0.9L) of clean, potable water may be added to a half pail to adjust workability. Do not over mix as faster setting or reduced working time can occur. Do not add accelerators or retarders to the F&M mixture.

**Application**

Adhesive application – Over gypsum substrates, apply the F&M mixture directly to the back of the insulation board using a 3/8”x3/8”x3/8” (9.5x9.5x9.5 mm) or a 3/8”x1/2”x1-1/2” (9.5x13x38 mm) stainless steel notched trowel. With the trowel at a 45° angle, cover the entire back of the insulation board with full beads of adhesive. Apply the adhesive so the ribbons run vertically when applied to the wall.

Over non-gypsum substrates, you may use the above described notched trowel method or the ‘ribbon and dab’ method. Using a stainless steel plastering trowel, apply a 2” (50.8 mm) wide by 3/8” (9.5 mm) high ribbon of the F&M mixture around the entire perimeter of the insulation board. Place 8 dabs of the F&M mixture 3/8” (9.5 mm) thick by 4” (102 mm) in diameter approximately 8” (204 mm) on center inside the ribbon. Immediately place the prepared insulation board on the substrate. Make sure that all edges of the insulation board are abutted tightly and that no F&M mixture gets into the board joints. Do not allow the F&M mixture to form a skin prior to placing the insulation board on the substrate. Do not apply the F&M mixture directly onto the substrate.

For base coat application – All imperfections in the insulation board must be rasped flush and any gaps in the insulation board must be filled with slivers of insulation. Apply the F&M mixture over the entire surface of the insulation board in a thickness greater than that of the reinforcing fabric being used (approximately 1/16” (1.6 mm) for standard mesh and 3/32” (2.4 mm) for Ultra Mesh). Immediately embed the reinforcing fabric into the wet F&M mixture and smooth from the center to the edge to avoid wrinkles. The reinforcing fabric must be continuous at all corners and lapped or abutted in accordance to Master Wall specifications. The color of the mesh shall not be visible but a slight mesh pattern may be visible.

Clean Up—Tools and equipment can be cleaned with soapy water while the F&M is still wet.

**Approved Substrates**

- Exterior gypsum sheathing (ASTM C1396, C1177)
- Dens Glass Gold®
- GlasRoc®
- FiberBond®
- Gold Bond e2xp®
- Securock®
- Weather Defense Platinum™
- Durock®
- PermaBase®
- Util-A-Crete®, ProGUARD®
- Concrete
- Brick
- Masonry
- Metal Lath
- Others approved in writing

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160201
MBB Adhesive & Base Coat

Master Wall® Bagged Base Coat (MBB) is a dry polymer acrylic formulated high performance base coat and adhesive used in Master Wall Systems or over prepared substrates including brick, masonry, concrete and stucco.

- Adheres insulation board to approved substrates
- Excellent water resistance
- Freeze stable in dry form
- Convenient, mixes with water
- Base coat for Aggre-flex Mesh

Product Test Standards

Systems
Aggre-flex EIFS
Aggre-flex Drainage EIFS
Cemplaster Fiberstucco
ICF Coatings
QRW1 Drainage EIFS
Rollershield Drainage EIFS
Soffit System
Stucco Cement Board Coatings
Trowelshield Drainage EIFS
Uninsulated Finishes

VOC: 0
Shipping Locations:
30058 • 77474 • 84651

Packaging: 50lb (22.7kg) bag
Shelf Life: 1 year
Coverage (estimated)
Adhesive & Standard Base Coat: 50-60 sf (4.6-536 sm)
Embedding Single-layer of Mesh: 100-125 sf (9-11.5 sm)
Double Layer of Mesh: 30-110 sf (2.5-10 sm)
Notched Trowel Adhesive Application: 56 sf (5.2 sm)
Temp: 40°-110°F (5°-43°C) • Working Time: 1 hr • Dry Time: 12 hrs
at room temperature, working and drying time will vary with temperature and humidity

Application Procedure

Job Conditions - Air and substrate temperature for application of MBB must be 40°F (5°C) or higher and must remain 40°F (5°C) or higher for a minimum of 24 hours. Provide temporary protection to protect the wall system from damage until permanent flashings, caps and sealants are installed. Store materials within prescribed temperature limits and out of direct sunlight. Working and drying times are based upon normal room temperature conditions and will vary with temperature and humidity.

Preparation - The substrate must be approved by Master Wall Inc®, clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents and curing compounds or anything that would affect bond. Painted surfaces are not acceptable and must be removed.

Mixing - Add 5 to 6 quarts (4.7-5.7L) of potable water to a clean plastic pail. Add the MBB slowly while stirring using a heavy-duty 1/2” (12.7mm) drill at 400 - 500 rpm and a heavy-duty Mixer. Mix thoroughly to a homogenous consistency. Let the mixture stand for 3 to 5 minutes and then stir to a creamy consistency. Small amounts of clean, potable water may be added to obtain a workable consistency. Do not over mix. Excessive stirring may cause faster setting and reduced working time. Do not add accelerators or retarders to the MBB mixture.

Application

Adhesive application – Over gypsum substrates, apply the MBB mixture directly to the back of the insulation board using a 3/8”x3/8”x3/8” (9.5x9.5x9.5 mm) or a 3/8”x1/2”x1-1/2” (9.5x13x38 mm) stainless steel notched trowel. With the trowel at a 45° angle, cover the entire back of the insulation board with full beads of adhesive. Apply the adhesive so the ribbons run vertically when applied to the wall.

Over non-gypsum substrates, you may use the above described notched trowel method or the ‘ribbon and dab’ method. Using a stainless steel plastering trowel, apply a 2” (50.8 mm) wide by 3/8” (9.5 mm) high ribbon of the MBB mixture around the entire perimeter of the insulation board. Place 8 dabs of the MBB mixture 3/8” (9.5 mm) thick by 4” (102 mm) in diameter approximately 8” (204 mm) on center inside the ribbon.

Immediately place the prepared insulation board on the substrate. Make sure that all edges of the insulation board are abutted tightly and that no MBB mixture gets into the board joints. Do not allow the MBB mixture to form a skin prior to placing the insulation board on the substrate. Do not apply the MBB mixture directly onto the substrate.

For base coat application – All imperfections in the insulation board must be rasped flush and any gaps in the insulation board must be filled with slivers of insulation. Apply the MBB mixture over the entire surface of the insulation board in a thickness greater than that of the reinforcing fabric being used (approximately 1/16” (1.6 mm) for standard mesh and 3/32” (2.4 mm) for Ultra Mesh). Immediately embed the reinforcing fabric into the wet MBB mixture and smooth from the center to the edge to avoid wrinkles. The reinforcing fabric must be continuous at all corners and lapped or abutted in accordance to Master Wall specifications. The color of the mesh shall not be visible but a slight mesh pattern may be visible.

Clean Up—Tools and equipment can be cleaned with soapy water while the MBB is still wet.

Approved Substrates

Exterior gypsum sheathing (ASTM C1396, C1177)
Dens Glass Gold®
GlasRoc®
FiberBond®
Gold Bond e2xp®
Securock®
Weather Defense Platinum™
Durock®
PermaBase®
Util-A-Crete®
ProTEC®, ProGUARD®
Concrete
Brick
Masonry
Metal Lath
Others approved in writing

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160201
F&M Plus Adhesive & Base Coat

F&M Plus is the high-build version of our Foam & Mesh Adhesive (F&M) used in Master Wall Systems or over prepared substrates.

- High Build with leveling capability up to 1/4” (6.4 mm) thickness
- Fibered for better crack resistance
- Adheres insulation board to approved substrates
- Excellent water resistance
- Mixes 1:1 with Portland cement to a creamy consistency
- Base coat for Aggre-flex Mesh

Packaging: 5 gallon (19L) pail
Pail Weight: 60 lbs (27 kg)
Shelf Life: 2 years

Coverage (estimated)
Adhesive & Standard Base Coat: 120 sf (11 sm)
Embedding Single-layer of Mesh: 240-280 sf (22-26 sm)
Double Layer of Mesh: 80-230 sf (7.5-21 sm)
Notched Trowel Adhesive Application: 135 sf (12.5 sm)

VOC: <1% by Weight
VOC: 0.9 g/l
Manufacture Locations:
30058 • 77474 • 84651

Product Test Standards
Application Procedure

Job Conditions - Air and substrate temperature for application of F&M PLUS must be 40°F (5°C) or higher and must remain 40°F (5°C) or higher for a minimum of 24 hours. Provide temporary protection to protect the wall system from damage until permanent flashings, caps and sealants are installed. Store materials within prescribed temperature limits and out of direct sunlight. Working and drying times are based upon normal room temperature conditions and will vary with temperature and humidity.

Preparation - The substrate must be approved by Master Wall Inc., clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents and curing compounds or anything that would affect bond. Painted surfaces are not acceptable and must be removed.

Mixing - Thoroughly stir F&M PLUS using a heavy duty 1/2" (12.7 mm) drill at 400 - 500 rpm and a heavy duty mixing paddle. Pour half of the stirred F&M PLUS into a clean plastic pail. Add Type I or I-II Portland cement to the half pail of F&M PLUS in a ratio of one-to-one by weight and mix to a homogenous consistency. Let the mixture stand for 3 to 5 minutes and then stir to a creamy consistency. Up to 30 ounces (0.9L) of clean, potable water may be added to a half pail to adjust workability. Do not over mix as faster setting or reduced working time can occur. Do not add accelerators or retarders to the F&M PLUS mixture.

Application

Adhesive application – Over gypsum substrates, apply the F&M PLUS mixture directly to the back of the insulation board using a 3/8"x3/8"x3/8" (9.5x9.5x9.5 mm) or a 3/8"x1/2"x1-1/2" (9.5x13x38 mm) stainless steel notched trowel. With the trowel at a 45° angle, cover the entire back of the insulation board with full beads of adhesive. Apply the adhesive so the ribbons run vertically when applied to the wall.

Over non-gypsum substrates, you may use the above described notched trowel method or the ‘ribbon and dab’ method. Using a stainless steel plastering trowel, apply a 2" (50.8 mm) wide by 3/8" (9.5 mm) high ribbon of the F&M PLUS mixture around the entire perimeter of the insulation board. Place 8 dabs of the F&M PLUS mixture 3/8" (9.5 mm) thick by 4" (102 mm) in diameter approximately 8" (204 mm) on center inside the ribbon.

Immediately place the prepared insulation board on the substrate. Make sure that all edges of the insulation board are abutted tightly and that no F&M PLUS mixture gets into the board joints. Do not apply the F&M PLUS mixture to form a skin prior to placing the insulation board on the substrate. Do not apply the F&M PLUS mixture directly onto the substrate.

For base coat application – All imperfections in the insulation board must be rasped flush and any gaps in the insulation board must be filled with slivers of insulation. Apply the F&M PLUS mixture over the entire surface of the insulation board in a thickness greater than that of the reinforcing fabric being used (approximately 1/16" (1.6 mm) for standard mesh and 3/32" (2.4 mm) for Ultra Mesh). Immediately embed the reinforcing fabric into the wet F&M PLUS mixture and smooth from the center to the edge to avoid wrinkles. The reinforcing fabric must be continuous at all corners and lapped or abutted in accordance to Master Wall specifications. The color of the mesh shall not be visible but a slight mesh pattern may be visible.

Clean Up—Tools and equipment can be cleaned with soapy water while the F&M PLUS is still wet.

Information contained in this product data sheet conforms to the standard detail recommendations and specifications for the installation of Master Wall Inc.® products and is presented in good faith. Master Wall Inc.® assumes no liability, expressed or implied as to the architecture, engineering, or workmanship of any project. This information may be concurrent with, or superseded by other applicable documents, such as specifications and details. Contact Master Wall Inc.® for the most current product information.
**MBB Plus Adhesive & Base Coat**

**Master Wall® MBB Plus** is the high-build version of our MBB adhesive and base coat. MBB Plus allows leveling up to 1/4” (6.4 mm) in a single pass.

- Adheres insulation board to approved substrates
- Excellent water resistance
- Freeze stable in dry form
- Convenient, mixes with water
- Base coat for Aggre-flex Mesh

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**Systems**
- Aggre-flex EIFS
- Aggre-flex Drainage EIFS
- Commercial Drainage EIFS
- Cemplaster Fiberstucco
- ICF Coatings
- QRW1 Drainage EIFS
- Rollershield Drainage EIFS
- Soffit System
- Stucco Cement Board Coatings
- Trowelshield Drainage EIFS
- Uninsulated Finishes

**VOC: 0**

**Shipping Locations:**
- 30058 • 77474 • 84651

**Packaging:** 50lb (22.7kg) bag

**Shelf Life:** 1 year

**Coverage (estimated)**
- Adhesive & Standard Base Coat: 50-60 sf (4.6-536 sm)
- Embedding Single-layer of Mesh: 100-125 sf (9-11.5 sm)
- Double Layer of Mesh: 30-110 sf (2.5-10 sm)
- Notched Trowel Adhesive Application: 56 sf (5.2 sm)

**Product Test Standards**

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**Master Wall Inc.**

Building a Culture of Excellence

masterwall.com
MBB Plus Adhesive & Base Coat

**Temp: 40°-110°F (5°-43°C) • Working Time: 1 hr • Dry Time: 12 hrs**

at room temperature, working and drying time will vary with temperature and humidity

**Application Procedure**

Job Conditions - Air and substrate temperature for application of MBB Plus must be 40°F (5°C) or higher and must remain 40°F (5°C) or higher for a minimum of 24 hours. Provide temporary protection to protect the wall system from damage until permanent flashings, caps and sealants are installed. Store materials within prescribed temperature limits and out of direct sunlight. Working and drying times are based upon normal room temperature conditions and will vary with temperature and humidity.

Preparation - The substrate must be approved by Master Wall Inc., clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents and curing compounds or anything that would affect bond. Painted surfaces are not acceptable and must be removed.

Mixing - Add 5 to 6 quarts (4.7-5.7L) of potable water to a clean plastic pail. Add the MBB Plus slowly while stirring using a heavy-duty 1/2” (12.7mm) drill at 400 - 500 rpm and a heavy-duty Mixer. Mix thoroughly to a homogenous consistency. Let the mixture stand for 3 to 5 minutes and then stir to a creamy consistency. Small amounts of clean, potable water may be added to obtain a workable consistency. Do not over mix.

Excessive stirring may cause faster setting and reduced working time. Do not add accelerators or retarders to the MBB Plus mixture.

Application

Adhesive application – Over gypsum substrates, apply the MBB Plus mixture directly to the back of the insulation board using a 3/8"x3/8"x3/8" (9.5x9.5x9.5 mm) or a 3/8"x1/2"x1-1/2" (9.5x13x38 mm) stainless steel notched trowel. With the trowel at a 45° angle, cover the entire back of the insulation board with full beads of adhesive. Apply the adhesive so the ribbons run vertically when applied to the wall.

Over non-gypsum substrates, you may use the above described notched trowel method or the ‘ribbon and dab’ method. Using a stainless steel plastering trowel, apply a 2" (50.8 mm) wide by 3/8" (9.5 mm) high ribbon of the MBB Plus mixture around the entire perimeter of the insulation board. Place 8 dabs of the MBB Plus mixture 3/8" (9.5 mm) thick by 4" (102 mm) in diameter approximately 8" (204 mm) on center inside the ribbon.

Immediately place the prepared insulation board on the substrate. Make sure that all edges of the insulation board are abutted tightly and that no MBB Plus mixture gets into the board joints. Do not allow the MBB Plus mixture to form a skin prior to placing the insulation board on the substrate. Do not apply the MBB Plus mixture directly onto the substrate.

For base coat application – All imperfections in the insulation board must be rasped flush and any gaps in the insulation board must be filled with slivers of insulation. Apply the MBB Plus mixture over the entire surface of the insulation board in a thickness greater than that of the reinforcing fabric being used (approximately 1/16” (1.6 mm) for standard mesh and 3/32” (2.4 mm) for Ultra Mesh). Immediately embed the reinforcing fabric into the wet MBB Plus mixture and smooth from the center to the edge to avoid wrinkles. The reinforcing fabric must be continuous at all corners and lapped or abutted in accordance to Master Wall specifications. The color of the mesh shall not be visible but a slight mesh pattern may be visible. Leveling over Master Wall base coats or other approved substrates to 1/4” (6.4 mm) and can be tapered to a feather edge if needed.

Clean Up—Tools and equipment can be cleaned with soapy water while the MBB Plus is still wet.

**Approved Substrates**

Exterior gypsum sheathing (ASTM C1396, C1177)
Dens Glass Gold®
GlasRoc®
FiberBond®
Gold Bond e2xp®
Securock®
Weather Defense Platinum™
Durock®
PermaBase®
Util-A-Crete®
ProTEC®, ProGUARD®
Concrete
Brick
Masonry
Metal Lath
Others approved in writing

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Approved Substrates
Master Wall Base Coats
Stucco
Prepared & Base Coated
Surfaces of Brick, Concrete, Masonry
Exterior gypsum sheathing (ASTM C1396, C1177)
Dens Glass Gold®
GlasRoc®
FiberBond®
Gold Bond e2xp®
Securock®
Durock®
ProGUARD®
Securock®
Util-A-Crete®, ProTEC®, PermaBase®
Gold Bond e2xp®
FiberBond®
GlasRoc®
Dens Glass Gold®
(4º-43ºC)
Shelf Life: 2 years
Application Range: 40º-110ºF (5º-43ºC)
Working Time: 1 hour @ room temperature

To finish strong you need a Superior Base Coat that can not only protect but waterproof the surface. Premium Guardian is formulated with waterproof polymers and embeds easily into Master Wall mesh as part of a weather protection strategy.

Application Procedure
Job Conditions - Air and substrate temperature for application of Guardian must be 40°F (5°C) or higher and must remain 40°F (5°C) or higher for a minimum of 24 hours. Provide temporary protection to protect the wall system from damage until permanent flashings, caps and sealants are installed. Store materials within prescribed temperature limits and out of direct sunlight. Working and drying times are based upon normal room temperature conditions and will vary with temperature and humidity.

Preparation - The substrate must be approved by Master Wall Inc., clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents and curing compounds or anything that would affect bond. Painted surfaces are not acceptable and must be removed.

Mixing - Thoroughly stir Guardian using a heavy duty 1/2" (12.7 mm) drill at 400 - 500 rpm and a heavy duty mixing paddle. Pour half of the stirred Guardian (22-1/2 lbs, 10.2 kg) into a clean plastic pail. Add Type I or I-II Portland cement to the half pail of Guardian in a ratio of one-to-one by weight (22-1/2 lbs, 10.2 kg) and mix to a homogenous consistency. Let the mixture stand for 3 to 5 minutes and then stir to a creamy consistency. Up to 18 ounces (0.5L) of clean, potable water may be added to a half pail to adjust workability. Do not over mix as faster setting or reduced working time can occur. Do not add accelerators or retarders to the Guardian mixture.

Application - Adhesive/Sealer application – Apply the Guardian mixture approximately 1/8" (3.2 mm) thick directly to the approved substrate using a stainless steel trowel. If used to adhere insulation, stipple the Guardian adhesive coat by pressing the trowel into the wet adhesive and then pulling it away from surface. Immediately apply the insulation board to the wet adhesive. Make sure that all edges of the insulation board are abutted tightly and that no Guardian mixture gets into the board joints. Do not allow the Guardian mixture to form a skin prior to placing the insulation board on the substrate.

For base coat application – All imperfections in the insulation board must be rasped flush and any gaps in the insulation board must be filled with slivers of insulation. Apply the Guardian mixture over the entire surface of the insulation board in a thickness greater than that of the reinforcing fabric being used (approximately 1/16" (1.6 mm) for standard mesh and 3/32" (2.4 mm) for Ultra Mesh). Immediately embed the reinforcing fabric into the wet Guardian mixture and smooth from the center to the edge to avoid wrinkles. The reinforcing fabric must be continuous at all corners and lapped or abutted in accordance to Master Wall specifications. The color of the mesh shall not be visible but a slight mesh pattern may be visible.

For Sloped Surfaces—Embed reinforcing mesh in Guardian as noted in the base coat application. If Guardian is used on the sloped surface only, consider a skim coat of the wall base coat to equalize finish absorption and color. Minimum recommended slope is 1:2 and maximum run is 18” (0.46m) with two-layers of Standard Mesh. Consult Master Wall and local code requirements for specifics.

Clean Up—Tools and equipment can be cleaned with soapy water while the Guardian is still wet.

Job Conditions
Limitations - Guardian is not intended for water immersion.
To finish strong you need a leveling base coat with superior weather resistance to stop water before it enters your stucco or wall. Flexible, fibered WeatherSTOP remains flexible, weather resistant and embeds easily into Master Wall® mesh. WeatherSTOP is an alternative to a separate fluid applied water barrier.

WeatherSTOP blocks water before it soaks the stucco keeping your building dry.

Don’t soak your stucco, WeatherSTOP it!

- Protects the stucco, keeps it safe and dry.
- Dry stucco doesn't support mold growth.
**Application Procedure**

**Job Conditions** - Air and substrate temperature for application of WeatherSTOP must be 40°F (5°C) or higher and must remain 40°F (5°C) or higher for a minimum of 24 hours. Provide temporary protection to protect the wall system from damage until permanent flashings, caps and sealants are installed. Store materials within prescribed temperature limits and out of direct sunlight. Working and drying times are based upon normal room temperature conditions and will vary with temperature and humidity.

**Preparation** - The substrate must be approved by Master Wall Inc., clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents and curing compounds or anything that would affect bond. Stucco should cure a minimum of 24 hours and concrete/masonry a minimum of 28 days before application. Painted surfaces are not acceptable and must be removed. Surface should be true to within 1/4” in 10'-0” (6 mm in 3 m) and clear of excessive fins and voids.

**Mixing** - Thoroughly stir WeatherSTOP using a heavy duty 1/2” (12.7 mm) drill at 400 - 500 rpm and a heavy duty mixing paddle. Pour half of the stirred WeatherSTOP into a clean plastic pail. Up to 12 ounces (0.35L) of clean, potable water may be added to adjust workability. Add Type I or I-II Portland cement to the half pail of WeatherSTOP in a ratio of one-to-one by weight and mix to a homogenous consistency. Let the mixture stand for 3 to 5 minutes and then stir to a creamy consistency. Do not exceed 24 ounces (0.7L) per pail. Do not over mix as faster setting or reduced working time can occur. Do not add accelerators or retarders to the WeatherSTOP mixture.

**Application**

**Water Barrier Application** – Apply the WeatherSTOP mixture over the entire surface of the approved substrate in a thickness of approximately 1/16” (1.6 mm).

With Optional Mesh Application – Apply the WeatherSTOP mixture over the entire surface of the approved substrate in a thickness greater than that of the reinforcing fabric being used (approximately 1/16” (1.6 mm) for Standard Mesh). Immediately embed the reinforcing fabric into the wet WeatherSTOP mixture and smooth from the center to the edge to avoid wrinkles. The reinforcing fabric must be continuous at all corners and lapped or abutted in accordance to Master Wall Mesh data sheet requirements. Do not run mesh through control/expansion joints or accessories. The color of the mesh shall not be visible but a slight mesh pattern may be visible.

**Clean Up** – Tools and equipment can be cleaned with soapy water while the WeatherSTOP is still wet.

**Limitations**:
- A Master Wall® Superior, Superior Elastomeric Plus or other approved Master Wall finish must be used over the WeatherSTOP.
- Surfaces exposed to the weather must be sloped (6:12 minimum).
- Under certain conditions efflorescence on the surface during the cure process. This can be removed with a white vinegar solution.
Quick Set MBB Adhesive & Base Coat

To finish fast you need a fast setting base coat. Master Wall Quick Set Bagged Base (QSMBB) is a fast-setting dry polymer acrylic formulated high performance base coat and adhesive used in Master Wall Systems or over prepared substrates including brick, masonry, concrete and stucco.

- Adheres insulation board to approved substrates
- Excellent water resistance
- Freeze stable in dry form
- Convenient, mixes with water
- Base coat for Aggre-flex Mesh

Packaging: 50lb (22.7kg) bag

Shelf Life: 1 year

Coverage (estimated)
- Adhesive & Standard Base Coat: 50-60 sf (4.6-536 sm)
- Embedding Single-layer of Mesh: 100-125 sf (9-11.5 sm)
- Double Layer of Mesh: 30-110 sf (2.5-10 sm)
- Notched Trowel Adhesive Application: 56 sf (5.2 sm)

Product Test Standards
Quick Set MBB Adhesive & Base Coat

Temp: 40°-110°F (5°-43°C) • Working Time: 3/4 hr • Dry Time: 3-4 hrs (adhesive), 2 hrs (base coat) at room temperature, working and drying time will vary with temperature and humidity

Application Procedure

Job Conditions - Air and substrate temperature for application of Quick Set MBB (QSMBB) must be 40°F (5°C) or higher and must remain 40°F (5°C) or higher for a minimum of 24 hours. Provide temporary protection to protect the wall system from damage until permanent flashings, caps and sealants are installed. Store materials within prescribed temperature limits and out of direct sunlight. Working and drying times are based upon normal room temperature conditions and will vary with temperature and humidity.

Preparation - The substrate must be approved by Master Wall Inc., clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents and curing compounds or anything that would affect bond. Painted surfaces are not acceptable and must be removed.

Mixing - Add 5 to 6 quarts (4.7-5.7L) of potable water to a clean plastic pail. Add the QSMBB slowly while stirring using a heavy-duty 1/2” (12.7 mm) drill at 400 - 500 rpm and a Heavy Duty Mixer. Mix thoroughly to a homogenous consistency. Let the mixture stand for 3 to 5 minutes and then stir to a creamy consistency. Small amounts of clean, potable water may be added to obtain a workable consistency. Do not over mix. Excessive stirring may cause faster setting and reduced working time. Do not add accelerators or retarders to the QSMBB mixture.

Application Adhesive application – Over gypsum substrates, apply the QSMBB mixture directly to the back of the insulation board using a 3/8”x3/8”x3/8” or a 3/8”x1/2”x1-1/2” stainless steel notched trowel. With the trowel at a 45° angle, cover the entire back of the insulation board with full beads of adhesive. Apply the adhesive so the ribbons run vertically when applied to the wall.

Over non-gypsum substrates, you may use the above described notched trowel method or the ‘ribbon and dab’ method. Using a stainless steel plastering trowel, apply a 2” (50.8 mm) wide by 3/8” (9.5 mm) high ribbon of the QSMBB mixture around the entire perimeter of the insulation board. Place 8 dabs of the QSMBB mixture 3/8” (9.5 mm) thick by 4” (102 mm) in diameter approximately 8” (204 mm) on center inside the ribbon.

Immediately place the prepared insulation board on the substrate. Make sure that all edges of the insulation board are abutted tightly and that no QSMBB mixture gets into the board joints. Do not allow the QSMBB mixture to form a skin prior to placing the insulation board on the substrate. Do not apply the QSMBB mixture directly onto the substrate.

For base coat application – All imperfections in the insulation board must be rasped flush and any gaps in the insulation board must be filled with slivers of insulation. Apply the QSMBB mixture over the entire surface of the insulation board in a thickness greater than that of the reinforcing fabric being used (approximately 1/16” (1.6 mm) for standard mesh and 3/32” (2.4 mm) for Ultra Mesh). Immediately embed the reinforcing fabric into the wet QSMBB mixture and smooth from the center to the edge to avoid wrinkles. The reinforcing fabric must be continuous at all corners and lapped or abutted in accordance to Master Wall specifications. The color of the mesh shall not be visible but a slight mesh pattern may be visible.

Clean Up—Tools and equipment can be cleaned with soapy water while the QSMBB is still wet.

Approved Substrates

Exterior gypsum sheathing (ASTM C1396, C1177)
Dens Glass Gold®
GlasRoc®
FiberBond®
Gold Bond e2xp®
Securock®
Weather Defense Platinum™
Durock®
PermaBase®
Util-A-Crete®
ProTEC®, ProGUARD®
Concrete
Brick
Masonry
Metal Lath
Others approved in writing

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masterwall.com

PO Box 397 • Fortson • GA • 31808 • 800-755-0825 • Tech: 800-760-2861

160801
To finish strong you need a versatile base coat. EPSB is a 100% pure acrylic one-part, fibered, non-cement base coat and leveler with low alkalinity. EPSB is ready to use after pre-mixing, is tintable and can be color matched to our finishes.

**Application Procedure**

Job Conditions - Air and substrate temperature for application of EPSB must be 45°F (7°C) or higher and must remain 45°F (7°C) or higher for a minimum of 24 hours. Working and drying times are based upon normal room temperature conditions and will vary with temperature and humidity.

Temporary Protection – Must be provided at all times until the EIF System, including flashings, caps, and sealants, is completed to provide protection from climatic conditions and other potential damage.

Surface Preparation - The Master Wall insulation board must be well adhered to the substrate. All imperfections in the insulation board must be rasped flush and any gaps in the insulation board must be filled with slivers of insulation. Surface temperature must be above 45°F (7°C).

Mixing - Thoroughly stir EPSB using a heavy duty 1/2" (12.7 mm) drill at 400 - 500 rpm and a heavy duty mixer. Small amounts of clean, potable water may be added to obtain a workable consistency. Do not over mix. Do not exceed 12 ounces (0.35L) of water per pail. Do not add accelerators or retarders to EPSB.

Application – Apply the EPSB over the entire surface of the insulation board in a thickness greater than that of the reinforcing fabric being used, approximately 1/16" (1.6 mm) for standard mesh and 3/32" (2.4 mm) for Ultra Mesh. Immediately embed the reinforcing fabric into the wet EPSB and smooth from the center to the edge to avoid wrinkles. The reinforcing fabric must be continuous at all corners and lapped or abutted in accordance to Master Wall specifications. The color of the mesh shall not be visible but a slight mesh pattern may be visible.

Clean Up - Tools and equipment can be cleaned with soapy water when the EPSB is wet.

**Limitations**

- Do not over mix.
- Make sure that the EPSB coat is completely dry prior to the application of Master Wall Superior Finish Coat.
- Slope surfaces a minimum of 1:2 to shed water.
- While drying, the EPSB coat must not be in contact with any moisture or localized delamination may occur.
Cemplaster Fiberstucco

Master Wall® Cemplaster Fiberstucco is a fibered Portland cement-based bagged stucco with exceptional workability, open working time, water retention, early strength, shrinkage resistance and long-term durability.

- Concentrate, mix with sand and water
- Fibered for better crack resistance
- Can be modified with Stucco Ad-Liquid for better tensile, compression and mold-resistance
- For application over lath or direct-applied to approved substrates
- Manufacturer Warranty

Product Test Standards
ASTM C109, ASTM E330, ASTM G155, ICC-ES AC11, ASTM C926 compliant following standard practices
Application Procedure

Job Conditions - Air and substrate temperature for application of Cemplaster Fiberstucco must be 40°F (5°C) or higher and must remain 40°F (5°C) or higher for a minimum of 24 hours. Provide temporary protection to protect the wall system from damage until permanent flashings, caps and sealants are installed. Store materials in a dry place, within prescribed temperature limits and out of direct sunlight. Working and drying times are based upon normal room temperature conditions and will vary with temperature and humidity.

Preparation - The substrate must be approved by Master Wall Inc.*, clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents and curing compounds or anything that would affect bond. Painted surfaces are not acceptable and must be removed or metal lath applied. All sheathed applications must receive a minimum of 2-layers code-approved asphalt felt or equivalent.

Prepare smooth or non-absorbent solid substrates by one of the following methods or a combination; Sand-blasting, chipping or acid etching. A dash-bond coat applied forcefully, Bonding compounds such as Master Wall® Stucco Ad-Liquid or BAS7, Furred or self-furring metal plaster bases as per ASTM C1063.

Mixing - Each bag of Cemplaster Fiberstucco is mixed with 200 lbs (90.7 kg) of sand aggregate (ASTM C897 or ASTM C144) and clean, potable water (200 lbs is roughly 2.5 cubic feet (0.07 cubic meters) of clean, damp-loose sand or 2-3/4 Master Wall pails, filled). Using a clean mixer, first add 1/2 to 2/3 the water required, 1/2 the sand, 1 bag Cemplaster Fiberstucco, then the rest of the sand and water to achieve the desired workability. Mix materials for 3 to 5 minutes after all materials are in the mixer. Total water content can vary between 4 to 6.5 gallons (15-24.5L). Stucco Ad-Liquid may also be used instead of an equal amount of water (up to 5 gallons, 18.9L). See system data sheet for specific levels required for increased warranties.

Tempering—The mixed stucco can be re-tempered one time within 1 hour. Material older than 1-1/2 hours should be discarded.

Application

Scratch Coat: apply Cemplaster Fiberstucco with sufficient pressure to key into and embed the metal lath (if used). Apply sufficient material, approximately half the Cemplaster Fiberstucco ground thickness to cover the metal lath and to permit scoring the surface. Score the Cemplaster Fiberstucco horizontally upon completion of each panel in preparation for brown coat if a “double back” application of a wet scratch and brown coat isn’t being used.

Brown Coat: as soon as the scratch coat is firm enough to receive the brown coat without damage, apply the brown coat with sufficient pressure to ensure intimate contact with the first coat to an approximate thickness as needed to bring the Cemplaster Fiberstucco to a uniform thickness that matches the grounds of the accessories. Use a rod or straight edge to bring the surface to a true, even plane. Fill depressions in plane with Cemplaster Fiberstucco.

After the Cemplaster Fiberstucco has become slightly firm float the surface lightly with a Darby or wood float to densify the surface and to provide a smooth, even surface.

Moist cure using fogging, plastic films or other method acceptable to the design professional for 48-72 hours. Mixes with Master Wall® Stucco Ad Liquid do not need moist curing. Allow to fully cure until clean, dry and hard before finishing:

- Typically 7-14 days if no Master Wall® Stucco Ad Liquid is used.
- After 72 hours if Master Wall® Stucco Ad Liquid is used provided the Cemplaster Fiberstucco is clean, dry and hard.
- After 24 hours if using a leveling base coat (LBC).

Clean Up—Tools and equipment can be cleaned with soapy water while the Cemplaster Fiberstucco mixture is still wet.

Approved Substrates

- (2.5#/sy self-furring metal lath)
- Concrete
- Brick
- Masonry
- Others approved in writing

Temp: 40°-110°F (5°-43°C) • Working Time: 1.5 hr • Curing Time: 24 hrs

at room temperature, working and drying time will vary with temperature and humidity
Master Wall® Ready Cemplaster Fiberstucco is a fibered Portland cement-based bagged stucco with exceptional workability, open working time, water retention, early strength, shrinkage resistance and long-term durability.

- Ready to use, mix with water
- Great for jobsites with limited space for on-site storage
- Fibered for better crack resistance
- Can be modified with Stucco Ad-Liquid for better tensile, compression and mold-resistance
- For application over lath or direct-applied to approved substrates
- Manufacturer Warranty

Product Test Standards
ASTM C109, ASTM E330, ASTM G155, ICC-ES AC11, ASTM C926 compliant following standard practices
**Application Procedure**

Job Conditions - Air and substrate temperature for application of Ready Cemplaster Fiberstucco must be 40°F (5°C) or higher and must remain 40°F (5°C) or higher for a minimum of 24 hours. Provide temporary protection to protect the wall system from damage until permanent flashings, caps and sealants are installed. Store materials in a dry place, within prescribed temperature limits and out of direct sunlight. Working and drying times are based upon normal room temperature conditions and will vary with temperature and humidity.

Preparation - The substrate must be approved by Master Wall Inc.®, clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents and curing compounds or anything that would affect bond. Painted surfaces are not acceptable and must be removed or metal lath applied. All sheathed applications must receive a minimum of 2-layers code-approved asphalt felt or equivalent.

Prepare smooth or non-absorbent solid substrates by one of the following methods or a combination; Sand-blasting, chipping or acid etching. A dash-bond coat applied forcefully, Bonding compounds such as Master Wall® Stucco Ad-Liquid or BA57, Furred or self-furring metal plaster bases as per ASTM C1063.

Mixing - Each bag of Ready Cemplaster Fiberstucco is mixed clean, potable water. Using a clean mixer, first add 1/2 to 2/3 the water required, 1 bag Ready Cemplaster Fiberstucco, then the rest of the water to achieve the desired workability. Mix materials for 3 to 5 minutes after all materials are in the mixer. Total water content can vary between 1 to 1.5 gallons (3.8-5.7L). Stucco Ad-Liquid may also be used instead of an equal amount of water. See system data sheet for specific levels required for increased warranties.

Tempering—The mixed stucco can be re-tempered one time within 1 hour. Material older than 1-1/2 hours should be discarded.

**Application**

**Scratch Coat:** apply Ready Cemplaster Fiberstucco with sufficient pressure to key into and embed the metal lath (if used). Apply sufficient material, approximately half the Ready Cemplaster Fiberstucco ground thickness to cover the metal lath and to permit scoring the surface. Score the Ready Cemplaster Fiberstucco horizontally upon completion of each panel in preparation for brown coat if a “double back” application of a wet scratch and brown coat isn’t being used.

**Brown Coat:** as soon as the scratch coat is firm enough to receive the brown coat without damage, apply the brown coat with sufficient pressure to ensure intimate contact with the first coat to an approximate thickness as needed to bring the Ready Cemplaster Fiberstucco to a uniform thickness that matches the grounds of the accessories. Use a rod or straight edge to bring the surface to a true, even plane. Fill depressions in plane with Ready Cemplaster Fiberstucco.

After the Ready Cemplaster Fiberstucco has become slightly firm float the surface lightly with a Darby or wood float to densify the surface and to provide a smooth, even surface.

Moist cure using fogging, plastic films or other method acceptable to the design professional for 48-72 hours. Mixes with Master Wall® Stucco Ad Liquid do not need moist curing. Allow to fully cure until clean, dry and hard before finishing:

**Approved Substrates**

- (2.5#/sq yd self-furring metal lath)
- Concrete
- Brick
- Masonry
- Others approved in writing

- Typically 7-14 days if no Master Wall® Stucco Ad Liquid is used.
- After 72 hours if Master Wall® Stucco Ad Liquid is used provided the Ready Cemplaster Fiberstucco is clean, dry and hard.
- After 24 hours if using a leveling base coat (LBC).

Clean Up—Tools and equipment can be cleaned with soapy water while the Ready Cemplaster Fiberstucco mixture is still wet.

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Master Wall® and Quikrete® Stucco Warranty Program

Master Wall® is pleased to announce that we have entered into an agreement with The Quikrete® Companies to co-warrant their stuccos and our finishes. The warranties will include the following Quikrete® products:

**QUIKRETE® One Coat Fiberglass Reinforced Stucco (No. 1200)** is an alkali resistant, fiberglass reinforced, Portland cement based stucco designed for use in one-coat stucco applications. Approved for all Cemplaster Fiberstucco applications.

Sanded version only.

Available in: 80 lb. bags - 42 per pallet, 3000 lb sacks

**QUIKRETE® Base Coat Stucco - Pump Grade (No. 1139-86)** is a Portland cement based stucco, designed to be used as the scratch and/or brown coat in a 3-coat stucco application, or the first coat in a 2-coat application. This product contains special additives which prevent premature loss of mixing water and provide increased workability. Approved for Cemplaster Fiberstucco applications 3/4” or greater.

Available in: 80 lb. Bags - 42 per pallet, 3000 lb sacks

Warranties for all projects will be provided by Master Wall® following our regular process. For coverage the following needs to be completed:

- Materials must be purchased through an authorized Master Wall distributor.
- A warranty must be requested for the project.
- The applicator must be certified and current.

**Warranty Programs**

The warranty programs with warranties up to 20-years for Cemplaster Fiberstucco will still apply if the equivalent Quikrete® product is used. Please reference our brochures in the “Systems” page of our web site for specifics.

Information contained in this product data sheet conforms to the standard detail recommendations and specifications for the installation of Master Wall Inc.® products and is presented in good faith. Master Wall Inc.® assumes no liability, expressed or implied as to the architecture, engineering, or workmanship of any project. This information may be concurrent with, or superseded by other applicable documents, such as specifications and details. Contact Master Wall Inc.® for the most current product information.

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160301
Master Wall® Aggre-flex Mesh is a specially woven, glass fiber mesh with AR Coating (Alkali Resistive). Embedded in Master Wall® base coats, Aggre-flex Mesh is the key impact and tensile component in Master Wall® EIFS and wall systems. It can also improve crack resistance in Master Wall® Cemplaster Fiberstucco Systems, traditional stucco or foam shapes.

**Detail Mesh** – super soft, pliable mesh used for backwrapping, special shapes, and detail work.

**Standard Mesh**—Standard weight mesh for wall areas and general detailing.

**Hi-Tech Mesh**—Upgraded heavier weight version of Standard Mesh with good workability.

**Medium Mesh**—Extra tough heavy weight mesh. Best for areas of light traffic.

**Strong Mesh**—Great high traffic mesh where impacts are a consideration.

**Ultra Mesh**—Best where abuse is expected. Ultra heavy for high traffic areas.

Strong Mesh and Ultra Mesh must be used in a two-layer system.

**Corner Roll**—For highly impact resistant corners. Apply under Standard or higher mesh.

<table>
<thead>
<tr>
<th>Mesh</th>
<th>Weight (oz/sq yd)</th>
<th>Roll Size</th>
<th>Coverage*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Detail</td>
<td>4.5 (113 g/sm)</td>
<td>9.5” x 150’ (96.5cm x 45.7m)</td>
<td>119 sf (11 sm)</td>
</tr>
<tr>
<td>Standard</td>
<td>4.5 (113 g/sm)</td>
<td>38” x 150’ (96.5cm x 45.7m)</td>
<td>475 sf (44.1 sm)</td>
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<tr>
<td>Hi-Tech</td>
<td>6.0 (202 g/sm)</td>
<td>48” x 150’ (122cm x 45.7m)</td>
<td>600sf (55.7sm)</td>
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<tr>
<td>Medium</td>
<td>12.0 (313 g/sm)</td>
<td>38” x 75’ (96.5cm x 22.8m)</td>
<td>238 sf (22.1 sm)</td>
</tr>
<tr>
<td>Strong</td>
<td>15.4 (508 g/sm)</td>
<td>38” x 75’ (96.5cm x 22.8m)</td>
<td>238 sf (22.1 sm)</td>
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<tr>
<td>Ultra</td>
<td>21.0 (675 g/sm)</td>
<td>38” x 75’ (96.5cm x 22.8m)</td>
<td>238 sf (22.1 sm)</td>
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<tr>
<td>Corner Roll</td>
<td>9.5 (238 g/sm)</td>
<td>9.5” x 150’ (96.5cm x 45.7m)</td>
<td>150 lf (45.7 m)</td>
</tr>
</tbody>
</table>

*Allow about 10% waste for lapping all meshes (Strong, Ultra and Corner Roll Meshes are butted). Coverage will vary.

**Product Test Standards**
ASTM D76, D578, D579, D3659, D4029, D5035, E2098, E2486 MIL-Y-1140
Weave: Leno

<table>
<thead>
<tr>
<th>Impact ASTM E2486 (Formerly EIMA 101.86)</th>
<th>Tensile (warp/fill)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard Mesh</td>
<td>Medium Impact Resistance 50-89 in-lbs (5.7-10.1J)</td>
</tr>
<tr>
<td>Hi Tech Mesh</td>
<td>Medium Impact Resistance 50-89 in-lbs (5.7-10.1J)</td>
</tr>
<tr>
<td>Medium Mesh</td>
<td>Medium Impact Resistance 50-89 in-lbs (5.7-10.1J)</td>
</tr>
<tr>
<td>Medium &amp; Standard</td>
<td>High Impact Resistance 90-150 in-lbs (10.2-17.0J)</td>
</tr>
<tr>
<td>Strong &amp; Standard</td>
<td>Ultra High Impact Resistance 150+ in-lbs (over17.0J)</td>
</tr>
<tr>
<td>Ultra &amp; Standard</td>
<td>Ultra High Impact Resistance 150+ in-lbs (over17.0J)</td>
</tr>
<tr>
<td>Corner Roll</td>
<td></td>
</tr>
</tbody>
</table>
Application Procedure
Job Conditions - Air and substrate temperature for embedment of the Reinforcing Mesh must be 40°F (5°C) or higher and must remain 40°F (5°C) or higher for a minimum of 24 hours. Provide temporary protection at all times until the wall system, including flashings, caps, and sealants, is completed to provide protection from climatic conditions and other potential damage.

Application - All imperfections in the insulation board must be rasped flush and any gaps in the insulation board must be filled with slivers of insulation. Apply the base coat over the entire surface of the insulation board in a thickness greater than that of the Reinforcing Mesh being used, approximately 1/16” (1.6 mm) for Standard Mesh and 3/32” (2.4 mm) for Ultra Mesh. Immediately embed the Aggre-flex Mesh into the wet base coat and smooth from the center to the edge to avoid wrinkles. Lap all meshes except Strong Mesh and Ultra Mesh a minimum of 2-1/2” (63.5 mm) on all sides. The reinforcing fabric must be continuous at all corners and lapped or abutted in accordance to Master Wall specifications. The color of the mesh shall not be visible but a slight mesh pattern may be visible. The overall minimum thickness of the base coat should be a nominal 1/16” (1.6 mm) when dry.

When applying Strong, Ultra or Corner Roll Mesh, tightly abut all edges and let cure for a minimum of 12 hours. Grind any imperfections with the edge of a stainless steel trowel or grinding stone, taking care not to damage the Aggre-flex Mesh, and apply a layer of Standard Mesh, Hi-Tech Mesh, or Medium Mesh as per the directions in the preceding paragraph. To minimize wall variations, the lap of the second mesh layer should not coincide with the abutment of the first layer.

Special Conditions and Recommendations
Apply backwrapping mesh or other approved accessory at all terminations of the insulation board. This includes at the top and bottom of all walls and at all openings.

Aggre-flex Mesh may be wrapped from the face of the insulation board onto a foundation or onto the studs of an opening on barrier wall systems. In all cases, the exposed edges of the insulation board must be wrapped with Aggre-flex Mesh and base coat or an approved accessory trim.
Cement Board Mesh

Lightweight Reinforcing Mesh

Master Wall Cement Board Mesh is a self-adhesive lightweight woven, glass fiber mesh that is specially coated for compatibility with Master Wall Base Coats. The 3” (76 mm) wide mesh is used as the first reinforcing layer in the Stucco Cement Board Coating application.

Application Procedure

General—The substrate must be clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents and curing compounds. Painted surfaces are not acceptable and the paint must be removed.

Job Conditions - Air and substrate temperature for application of the Cement Board Mesh must be 40°F (5°C) or higher and must remain 40°F (5°C) or higher for a minimum of 24 hours.

Temporary Protection – Must be provided at all times until the wall system, including flashings, caps, and sealants, is completed to provide protection from climatic conditions and other potential damage.

Installation – Apply Cement Board Mesh according to Master Wall Specifications. In general, Cement Board Mesh is centered on the cement board joints and corners before the first application of base coat at the joints. Alternatively the mesh can be embedded into wet base coat at these locations. See the Stucco Cement Board Coatings specifications and details for specific instructions. Lap Cement Board Mesh a minimum of 2-1/2” (63.5 mm).

Limitations

Cement Board Mesh is not intended for use as the exterior or primary reinforcement of any Master Wall System.

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160301
Master Wall Insulation Board

Master Wall Insulation Board is a high performance insulation material that is used to wrap the entire building to keep interior temperatures more consistent. It helps to reduce thermal bridging at framing members and is easy to cut, rasp and place. It may be custom formed into various decorative shapes. Packaged in 144 board foot bundles, each bundle weights approximately 12 lbs (5.44 kg) and is available in flat or drainage configurations.

- Reduces air movement in wall
- Reduces life cycle CO₂ emissions
- Controls dew point / moisture condensation in wall
- Long lasting, strong stable
- Contains no CFC, HCFC, HFC or formaldehyde
- Recyclable
- Cost effective

<table>
<thead>
<tr>
<th>Insulation Type</th>
<th>Density (pcf, minimum)</th>
<th>R-Value (U-Value) @75 F (9 C)</th>
<th>R-Value (U-Value) @40 F (4 C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard Type I</td>
<td>0.90</td>
<td>3.6 (0.28)</td>
<td>4.0 (0.25)</td>
</tr>
<tr>
<td>Special Type II</td>
<td>1.35</td>
<td>4.0 (0.25)</td>
<td>4.6 (0.22)</td>
</tr>
<tr>
<td>Special Type VIII</td>
<td>1.15</td>
<td>3.8 (0.26)</td>
<td>4.2 (0.24)</td>
</tr>
</tbody>
</table>

Product Test Standards
ASTM C578, ASTM 273, ASTM E2340, ASTM E2566

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**Application Procedure**

Job Conditions - Follow directions on adhesive data sheets. Mechanical attachment of insulation boards may be performed at lower temperatures over a dry surface.

Temporary Protection – Provide temporary and permanent protection to prevent water entry behind the system.

Substrate Preparation – Applications must be to an approved substrate with a maximum variation tolerance of 1/4" in 10'-0" (6.4 mm in 3.05m). Contact Master Wall for approved substrates and recommended attachment methods.

**Application**
The Insulation Board can be easily cut using handsaws, power saws, sharp knives, or thermal cutting tools. Rasping of the Insulation Board is completed with 12 grit sandpaper, manually or with air or electric rasping machines.

Follow data sheet recommendations for adhering insulation board to approved substrates. For mechanical attachment, fasten the Insulation Board to the approved substrate using Wind-Lock Wind-Devil 2 retainers. See Master Wall System Details for more information. Fastening patterns shall be determined by the requirements of the geographical conditions of the area, local code requirements, and the performance of the fasteners, retainers and their test results in conjunction with the specified substrate and the thickness of insulation board specified for use. Minimum 1" (25.2 mm) thickness for mechanically attached systems.

Install insulation board on the wall according to specification requirements. For further information and details, see the Master Wall System Application Instructions.

**Limitations**
The minimum required thickness for insulation board in the Master Wall Aggre-flex EIF System is ¾" (19.2 mm) at any location on the wall.

MEPS shall not be used in interior applications.

Residential applications require a secondary water barrier with the option of flat insulation board with profiled water barriers or drainage insulation board. See Aggre-flex Drainage Details for insulation board construction.

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**Classification:** Type I

**Density, lb/ft³ (kg/m³):**
- 0.90 (14.4) min., 1.25 (20.0) max.

**Thermal Resistance per inch (25.4mm) thickness, min. Ft².h/²Btu (K·m²/W):**
- @75°F (23.9°C) 3.60 (0.63) U=.28

**Compressive strength, min., PSI (kPa):** 10.0 (69)

**Flexural Strength, min., PSI (kPa):** 25.0 (172)

**Water Vapor Permeance of 1.00 in (25.2 mm) thickness, max., perm (ng/Pa.s.m²):** 5.0 (2.87)

**Water absorption by total immersion, max., volume, %:** 4

**Dimensional stability (change in dimensions), max., %:** 2.0

**Oxygen index, min., volume, %:** 24.0

**Flame spread, max.:** 25.0

**Smoke development, max:** 450
Stucco Ad-Liquid

Stucco Ad-Liquid is an easy to use polymer modifier that is added directly to traditional stucco or Cemplaster Fiberstucco mix to improve the overall quality of the material.

- Improved Compressive Strength
- Improved Tensile Strength
- Improved Weather Resistance
- Mold-X™ Bactericide included
- Reduced Shrinkage
- Reduces Stucco Cracking
- Reduced Brittleness
- Eliminates Fogging Requirement
- Slows Cure and Increases Flexibility

Systems
Cemplaster Fiberstucco
Traditional Stucco
Branded Manufactured Stucco

VOC: 5 g/l
Manufacture Locations: 30058 • 77474 • 84651
Recycled Content: 0%

Packaging:
5 gallon (19L) pail
55 gallon (208L) drums

Pail Weight: 42 lbs (19 kg)
Drum Weight: 462 lbs (210 kg)

Shelf Life: 2 years

Suggested Levels (Varies)
Cemplaster Fiberstucco: 3 quarts to 5 gallons (2.8-19 L) per mix
Stucco: 6 quarts to 5 gallons (5.6-19 L) per mix
**Stucco Ad-Liquid**

**Temperature:** 40°F-110°F (5°C-43°C) • **Working Time:** 1.5 hr • **Dry Time:** 72 hrs

At room temperature, working and drying time will vary with temperature and humidity.

### Application Procedure

**Job Conditions** - Air and substrate temperature for application of Stucco Ad-Liquid must be 40°F (5°C) or higher and must remain 40°F (5°C) or higher for a minimum of 24 hours. Surface must be clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents, paint and curing compounds.

**Temporary Protection** – Provide temporary and permanent protection to prevent water entry behind the stucco.

**Proportioning** – Proportions will vary depending upon use. Reference Master Wall® Cemplaster Fiberstucco specifications for warranted system proportions. In general, the product will achieve minimal properties such as improved crack resistance with levels as low as one quart (0.95L) per 280# (127 kg) of mixed stucco. Substituting Stucco Ad-Liquid for water in the stucco mix provides optimal performance. Vary proportions to meet specific project requirements or contact Master Wall for recommendations.

**Mixing** – Use non air entrained stucco mix. Slowly add Stucco Ad-Liquid to the mixture and mix for a short time (about 1 to 2 minutes) to avoid air entrapment.

**Application**

Apply stucco mix according to locally, regionally and nationally accepted practices to the specified thicknesses. When drying, Stucco Ad-Liquid forms a film or sheen that aids in the hydration of the stucco.

**For Professional Results**

Do not use with air entrained cement mixes or with air entraining admixtures.

Do not use where air circulation is limited.

Protect from extreme water exposure for a minimum of 24 hours.

Fogging the wall is not recommended when Stucco Ad-Liquid is used.

Do not use as a stucco surface primer or external bonding agent—use Primecoat or Roller-flex depending upon application.

Do not over mix.

**Clean Up**

Tools and equipment can be cleaned with soapy water when the stucco mixture is wet.

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**Stucco Ad-Liquid Performance**

**SA01** Master Wall® Stucco Ad Liquid, mixed 3 quarts (2.8 liters) per mix of Cemplaster Fiberstucco, 1 quart (0.95 liters) of Ready Cemplaster Fiberstucco.

**SA02** Master Wall® Stucco Ad Liquid, mixed 2 gallons (7.6 liters) per mix of Cemplaster Fiberstucco, 3 quarts (2.8 liters) of Ready Cemplaster Fiberstucco.

**SA03** Master Wall® Stucco Ad Liquid, mixed 5 gallons (19 liters) per mix of Cemplaster Fiberstucco, 1-1/2 gallons (5.7 liters) of Ready Cemplaster Fiberstucco.

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Approved Substrates
Master Wall Base Coats
Stucco
Prepared & Base Coated Surfaces of Brick, Concrete, Masonry
Exterior gypsum sheathing (ASTM C1396, C1177)
Dens Glass Gold®
GlasRoc®
FiberBond®
Gold Bond e2xp®
Securock®
Durock®
PermaBase®
Util-A-Crete®, ProTEC®, ProGUARD®
Others approved in writing

BA57 is a 100% acrylic bonding agent used to prepare surfaces of concrete, masonry, stucco, and exterior gypsum sheathing to help enhance the bond of Master Wall products or traditional stucco. It helps to control excessive absorption of stucco over highly porous surfaces and improves bond of Master Wall Superior-Flash and WeatherStop Tapes.

Application Procedure

Job Conditions - Air and substrate temperature for application of BA57 must be 40°F (5°C) or higher and must remain 40°F (5°C) or higher for a minimum of 24 hours.

Temporary Protection – Must be provided at all times until the BA57 has dried or is ready for application.

Surface Preparation - Surface temperature must be above 40°F (5°C). Surface must be clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents, and curing compounds. On previously painted surfaces, all loose, peeling and chalking paint must be removed. Any glossy areas must be sanded.

Concrete – Must have cured a minimum of 28 days prior to the application of BA57. If form release agents or curing compounds exist on the surface, they must be removed with a solution of muriatic acid or similar product (with appropriate precautions). Remove any residual acid by flushing with water.

Masonry – Must be dry, clean and prepared. Flush masonry joints are preferred. Contact Master Wall for more information.

Stucco – Must have been cured. Dry and ready to receive BA57. If additives were used in the stucco, it is recommended that a test patch be made to evaluate bond strength of the BA57 to the stucco.

Exterior Gypsum Sheathing—Install and prepare according to accepted practices. BA57 may be reduced with 1 part water to 1 part BA57 over gypsum substrates.

Bonding Agent for SuperiorFlash and WeatherStop Flashing Tapes—Clean & Dry

Mixing - Thoroughly stir BA57 into a homogenous consistency. Avoid introducing air into the coating. Do not over mix. Do not add accelerators or retarders to BA57.

Application – BA57 can be applied by brush, roller, or airless spray equipment. When using a roller, a maximum ¾” nap is recommended. Apply BA57 in an even, continuous coat, maintaining a wet edge. When used as a bonding agent, allow to tackify prior to application of stucco.

Clean Up - Tools and equipment can be cleaned with water when BA57 is wet.

Limitations - BA57 should not be used as a primer color coat.
Rollershield-RS is a high quality 100% acrylic flexible air and water barrier. Rollershield-RS is intended for roller or spray application but also can be troweled or brushed into place. Rollershield-RS forms a continuous air and water barrier that protects approved substrates from incidental water damage.

- **100% Coverage**  
- **Doesn’t rattle in the wind**  
- **Vapor permeable with low air infiltration rate**  
- **Used as water barrier and flashing**

### Packaging
- **5 gallon (19L) pail**
- **Pail Weight:** 60 lbs (27 kg)
- **Shelf Life:** 2 years

### Coverage (estimated per pail)
- **Roller:** 450-500 sf (42-46 sm)
- **Spray:** 300-350 sf (28-32.5 sm)
- **Trowel:** 200-250 sf (18-23 sm)

### Dry to Touch
- 1 hour @ room temperature

### Recoat Time
- 2 hours @ room temperature

### Drying Time
- 12 hours @ room temperature

### Application Range
- 40°-110°F (5°-43°C)

### Exposure
- 30 days maximum for EIFS*, 6 months maximum for other claddings.

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*surface must be clean and dry prior to application of EIFS

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### Product Test Standards
- ASTM C297/E2134, ASTM D2247, ASTM E72, ASTM E84, ASTM E96 (30 perms @ 10 mils), ASTM E331, ASTM E1233, ASTM E2178 (0.0002 cfm/ft²), ASTM E2357 (0.003 L/s m² @ 75 Pa, 0.02 L/s m² @ 300 Pa), ASTM E2485, AATCC 127, ICC ES (AC 212), NFPA 285
Application – Rollershield-RS is applied by first treating the joints and fastener locations where sheathing is painted surface. The Rollershield-RS application need not look like a continuous barrier of 10 mils dry thickness with no breaks or skips, although some areas will appear lighter than others due to the application process. The Rollershield-RS must be applied as a continuous barrier of 10 mils dry thickness with no breaks or skips, although some areas will appear lighter than others due to the application process. The Rollershield-RS must be applied as a continuous barrier of 10 mils dry thickness with no breaks or skips, although some areas will appear lighter than others due to the application process. The Rollershield-RS is compatible with GRACO and Titan airless spray equipment with the following specifications:

- Minimum 1 gallon per minute output.
- Minimum hose width of 3/8 inch.
- Minimum tip size of 0.027–0.031.

Minimum pressure requirement to spray of 2,000 psi at the gun with an airless sprayer rated no lower than 3,300 psi. Remove all filters in sprayer and bed Rollershield-RS into the reinforcing mesh and spot fasteners using a paint brush or trowel and allow to dry. Rollershield-RS may be flashed into window, door and other openings using the same techniques for sheathing applications. Any remaining gaps should be filled with Master Wall Rollershield-TG (Trowel Grade) or SuperiorFlash.

Wall Treatment—Apply Rollershield-RS to the wall surface using the foam roller, trowel or by spray applying and backrolling to a uniform thickness of 15 mils wet, 10 mils dry with no pinholes or voids. Clean Up-Tools and equipment can be cleaned with soapy water when Rollershield-RS is wet. Limitations - Not for use as an exterior finish, note exposure limitations on front page.

Application Procedure

Job Conditions - Air and substrate temperature for application of Rollershield-RS must be 40°F (5°C) or higher and must remain 40°F (5°C) or higher for a minimum of 24 hours. Provide temporary protection to protect the wall system from damage until permanent flashings, caps and sealants are installed. Store materials within prescribed temperature limits and out of direct sunlight. Working and drying times are based upon normal room temperature conditions and will vary with temperature and humidity.

Preparation - The substrate must be approved by Master Wall Inc., clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents and curing compounds or anything that would affect bond. Painted surfaces are not acceptable and must be removed. Substrates must be flat and free of fins or planar irregularities greater than 1/4" in 10'-0" (6.35 mm in 3.05m).

Concrete – Must have cured a minimum of 28 days prior to the application of Rollershield-RS. If form release agents or curing compounds exist on the surface, they must be removed with a solution of muriatic acid or similar product (with appropriate precautions). Remove any residual acid by flushing with water.

Brick/Masonry – If joints are not struck flush, multiple coats may be required. Contact Master Wall for more information.

Sheathing Applications - Sheathing gaps must be less than 1/4" (6.4 mm). For gaps larger than 1/4" (6.4 mm) WeatherStop Tape or Rollershield Flashing Tape may be used. Gap wood-based sheathing per manufacturer's recommendations, typically 1/8" (3.2 mm) minimum.

Mixing - Thoroughly stir Rollershield-RS into a homogenous consistency. Do not add water, over mix, or add accelerators or retarders to Rollershield-RS.

Application – Rollershield-RS is applied by first treating the joints and fastener locations where sheathing is used, then coating the entire surface using brush, roller, trowel or airless spray equipment techniques. When using a foam roller, a maximum ¾" (19 mm) nap is recommended. Apply Rollershield-RS in an even, continuous coat, maintaining a wet edge of approximately 15 mils thickness. Oriented Strand Board and other porous substrates require two (2) coats of Rollershield-RS. For moisture protection, Rollershield-RS must be applied as a continuous barrier of 10 mils dry thickness with no breaks or skips, although some areas will appear lighter than others due to the application process. The Rollershield-RS application need not look like a painted surface.

Approved Substrates

Exterior gypsum sheathing (ASTM C1396)
Dens Glass Gold®
GlasRoc®
FiberBond®
Gold Bond e2xp®
Durock®
PermaBase®
ProTEC ®
Util-A-Crete®
Concrete
Brick
Masonry
Exterior Plywood
Oriented Strand Board
Others approved in writing

Joint Treatment—Apply a thin layer of Rollershield-RS to the joints and embed Rollershield Flashing Tape into the wet mixture and trowel smooth. Alternatively place and center Rollershield-RS Mesh over all joints, corners and gaps in the substrate. Immediately embed Rollershield-RS into the reinforcing mesh and spot fasteners using a paint brush or trowel and allow to dry.

Rollershield-RS may be flashed into window, door and other openings using the same techniques for sheathing applications. Any remaining gaps should be filled with Master Wall Rollershield-TG (Trowel Grade) or SuperiorFlash.

Wall Treatment—Apply Rollershield-RS to the wall surface using the foam roller, trowel or by spray applying and backrolling to a uniform thickness of 15 mils wet, 10 mils dry with no pinholes or voids.

Clean Up—Tools and equipment can be cleaned with soapy water when Rollershield-RS is wet.

Limitations - Not for use as an exterior finish, note exposure limitations on front page.

Spray Application

Rollershield-RS is compatible with GRACO and Titan airless spray equipment with the following specifications:

- Minimum 1 gallon per minute output.
- Minimum hose width of 3/8 inch.
- Minimum tip size of 0.027–0.031.

Minimum pressure requirement to spray of 2,000 psi at the gun with an airless sprayer rated no lower than 3,300 psi. Remove all filters in sprayer and gun before application.

Hopper Gun: 3/16"-1/4" (6-6.5 mm) orifice, 23-25 psi.
Rollershield-TG is a high quality 100% acrylic flexible air and water barrier. Rollershield-TG is the trowel grade version of Rollershield and can be used for filling large gaps or leveling large areas in the Rollershield LAB system application. Rollershield-TG forms a continuous air and water barrier that protects approved substrates from incidental water damage.

- 100% Coverage
- Doesn’t rattle in the wind
- Vapor permeable with low air infiltration rate
- Used as water barrier and flashing
Application Procedure

Job Conditions - Air and substrate temperature for application of Rollershield-TG must be 40°F (5°C) or higher and must remain 40°F (5°C) or higher for a minimum of 24 hours. Provide temporary protection to protect the wall system from damage until permanent flashings, caps and sealants are installed. Store materials within prescribed temperature limits and out of direct sunlight. Working and drying times are based upon normal room temperature conditions and will vary with temperature and humidity.

Preparation - The substrate must be approved by Master Wall Inc., clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents and curing compounds or anything that would affect bond. Painted surfaces are not acceptable and must be removed. Substrates must be flat and free of fins or planar irregularities greater than 1/4" in 10'-0" (6.35 mm in 3.05m).

Concrete – Must have cured a minimum of 28 days prior to the application of Rollershield-TG. If form release agents or curing compounds exist on the surface, they must be removed with a solution of muriatic acid or similar product (with appropriate precautions). Remove any residual acid by flushing with water.

Brick/Masonry – If joints are not struck flush, multiple coats may be required. Contact Master Wall for more information.

Sheathing Applications - Sheathing gaps must be less than 1/4" (6.4 mm). For gaps larger than 1/4" (6.4 mm) WeatherStop Tape or Rollershield Flashing Tape may be used. Gap wood-based sheathing per manufacturers recommendations, typically 1/8" (3.2 mm) minimum.

Mixing - Thoroughly stir Rollershield-TG into a homogenous consistency. Do not add water, over mix, or add accelerators or retarders to Rollershield-TG.

Application – Rollershield-TG and Rollershield Flashing Tape may be used in lieu of the Rollershield-RS product at seam joints that require additional filling capability. Apply Rollershield-TG by first covering the seam with wet Rollershield-TG, then embedding the Rollershield Flashing Tape. Rollershield-TG may also be used for spotting fasteners or for leveling wall surfaces, especially those that are porous such as CMU or pitted concrete. Trowel to a minimum 15 mils wet, 10 mils dry thickness with no breaks or skips, although some areas will appear lighter than others due to the application process. The Rollershield-TG application need not look like a painted surface.

Rollershield-TG may be flashed into window, door and other openings.

Approved Substrates

Exterior gypsum sheathing (ASTM C1396)
Dens Glass Gold®
GlasRoc®
FiberBond®
Gold Bond e2xp®
Durock®
PermaBase®
ProTEC ®
Util-A-Crete®
Concrete
Brick
Masonry
Exterior Plywood
Oriented Strand Board
Others approved in writing

Limitations - Not for use as an exterior finish, note exposure limitations on front page.
Rollershield-VB is the vapor barrier version of our Rollershield Liquid applied Air/Water Barrier (LAB). Rollershield-VB is a high quality 100% acrylic roll applied flexible air and water barrier. Easily applied with a trowel, brush, roller, hopper gun or airless sprayer. Rollershield-VB forms a continuous air and water barrier that protects approved substrates from incidental water damage.

- **100% Coverage**
- **Class I Vapor Retarder**
- **Vapor impermeable, 0.07 perms**
- **Doesn’t rattle in the wind**
- **Used as water barrier and flashing**

**Product Test Standards**
ASTM C297/E2134, ASTM D2247, ASTM E72, ASTM E84, ASTM E96 (0.07 perms @ 19-25 mils), ASTM E331, ASTM E1233, ASTM E2178 (0.00002 cfm/ft²), ASTM E2357 (0.003 L/s m² @ 75 Pa, 0.02 L/s m² @ 300 Pa), ASTM E2485, AATCC 127, ICC ES (AC 212), NFPA 285
Application Procedure

Job Conditions - Air and substrate temperature for application of Rollershield-VB must be 40°F (5°C) or higher and must remain 40°F (5°C) or higher for a minimum of 24 hours. Provide temporary protection to protect the wall system from damage until permanent flashings, caps and sealants are installed. Store materials within prescribed temperature limits and out of direct sunlight. Working and drying times are based upon normal room temperature conditions and will vary with temperature and humidity.

Preparation - The substrate must be approved by Master Wall Inc., clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents and curing compounds or anything that would affect bond. Painted surfaces are not acceptable and must be removed. Substrates must be flat and free of fins or planar irregularities greater than 1/4" in 10'-0" (6.35 mm in 3.05m).

Concrete – Must have cured a minimum of 28 days prior to the application of Rollershield-VB. If form release agents or curing compounds exist on the surface, they must be removed with a solution of muriatic acid or similar product (with appropriate precautions). Remove any residual acid by flushing with water.

Brick/Masonry – If joints are not struck flush, multiple coats may be required. Contact Master Wall for more information.

Sheathing Applications - Sheathing gaps must be less than 1/4" (6.4 mm). For gaps larger than 1/4" (6.4 mm) WeatherStop Tape or Rollershield-VB Flashing Tape may be used. Gap wood-based sheathing per manufacturers recommendations, typically 1/8" (3.2 mm) minimum.

Mixing - Thoroughly stir Rollershield-VB into a homogenous consistency. Do not add water, over mix, or add accelerators or retarders to Rollershield-VB.

Application – Rollershield-VB is applied by first treating the joints and fastener locations where sheathing is applied. Rollershield-VB may be flashed into window, door and other openings using the same techniques for sheathing applications. Any remaining gaps should be filled with Rollershield-VB and Flashing Tape.

Wall Treatment—Apply Rollershield-VB to the wall surface using a foam roller, trowel or by spray applying and backrolling to a uniform thickness of 20 mils with no pinholes or voids.

Clean Up - Tools and equipment can be cleaned with soapy water when Rollershield-VB is wet.

Limitations:
1. Not for use as an exterior finish. 2. Do not use Rollershield-VB where Rollershield will provide satisfactory performance. 3. Avoid forming a double vapor barrier such as using Rollershield-VB with thick insulation board or insulation boards that are vapor barriers. 4. Do not install vapor barriers on both sides of assemblies – i.e. “double vapor barriers” in order to facilitate assembly drying in at least one direction. 5. Design the vapor barrier for placement on the warm side of the wall. 6. Avoid installation of interior vapor barriers such as polyethylene vapor barriers, foil faced batt insulation and reflective radiant barrier foil insulation on the interior of air-conditioned assemblies. 7. Do not install vinyl wall coverings on the inside of air-conditioned exterior wall assemblies. 8. Enclosures should be ventilated to meet ASHRAE Standard 62.2 or 62.1.

Approved Substrates

Exterior gypsum sheathing (ASTM C1396)
- Dens Glass Gold®
- GlasRoc®
- FiberBond®
- Gold Bond e2xp®
- Durock®
- PermaBase®
- ProTEC ®
- Util-A-Crete®
- Concrete
- Brick
- Masonry
- Exterior Plywood
- Oriented Strand Board
- Others approved in writing

Spray Application

Rollershield-VB is compatible with GRACO and Titan airless spray equipment with the following specifications:
- Minimum 1 gallon per minute output.
- Minimum hose width of 3/8 inch.
- Minimum tip size of 0.027–0.031.

Minimum pressure requirement to spray of 2,000 psi at the gun with an airless sprayer rated no lower than 3,300 psi. Remove all fillers in sprayer and gun before application.

Hopper Gun: 3/16”–1/4” (6-6.5 mm) orifice, 23-25 psi.

Information contained in this product data sheet conforms to the standard detail recommendations and specifications for the installation of Master Wall Inc.® products and is presented in good faith. Master Wall Inc.® assumes no liability, expressed or implied as to the architecture, engineering, or workmanship of any project. This information may be concurrent with or superseded by other applicable documents, such as specifications and details. Contact Master Wall Inc.® for the most current product information. ©2016 Master Wall Inc.®
Master Wall Inc.® SuperiorFlash is a gun-grade flashing and waterproofing. Formulated with STPE polymers, SuperiorFlash uses moisture curing to produce a highly durable, seamless, elastomeric flashing membrane. Fast curing it allows for same day installation of windows, doors and other wall assembly, waterproofing or air barrier components.

SuperiorFlash bonds directly to damp or dry surfaces and cures under a variety of weather conditions. It dramatically reduces surface preparation time by eliminating the need for reinforcing tapes at sheathing joints, inside and outside corners. It simplifies the process of producing watertight details in new or existing construction.

Use SuperiorFlash as part of the Rollershield LAB application, or to complement conventional waterproofing or air barrier components.
ADVANTAGES
• Streamlines preparation by eliminating the need for joint reinforcing tapes.
• Silane functional polymer provides superior long term adhesion, crack bridging and weathering characteristics.
• Produces an opaque membrane when installed at the recommended 12–15 wet mils to simplify inspection and quality control.
• Bonds to most common building materials without priming.
• Single component saves time – no mixing.
• Produces a durable, weather-tight seal. Bonds and cures in wet weather, on damp substrates.
• Will not tear or lose effectiveness when exposed to weather during construction.
• May be fully exposed to UV and weather for up to 30 days for Rollershield Drainage EIFS applications, 12 months for Rollershield LAB applications.
• Compatible with most sealants and waterproofing or air barrier components.
• Solvent free. Isocyanate free. Phthalate free.
• No shrinkage. No staining. No yellowing.
• Breathable – allows damp surface to dry.
• Will not support mold growth.
• Service temperatures: –75°F to 300°F (–59°C to 149°C).

TYPICAL TECHNICAL DATA
Form: viscous paste, mild odor
Specific Gravity: 1.45–1.55
pH: not applicable
Weight/Gallon: 12.5 lbs
Total Solids: 99%
Flash Point: >200° F (>93° C)
Freeze Point: not applicable

Cured Properties
Hardness, Shore A: 35–45
Tensile Strength: >150 psi
Elongation at Break: >350%
Water Vapor Transmission: 21 perms (ASTM E 96)
Corrosive Properties: Non-corrosive
Transfer Free Time: 20–40 minutes

Limitations
• Not for use as a structural sealant.
• Not for use in place of appropriate through-wall flashing.
• Not for use below grade or in locations designed to be continuously immersed in water.
Preparation
To ensure best results, apply to clean surfaces free of contaminants. Chemical residues, surface coatings or films may adversely affect adhesion. Pressure-treated wood and other contaminated surfaces should be cleaned with a solvent wipe before application. Protect people, vehicles, property, plants and all other surfaces not intended to receive SuperiorFlash. Remove and replace damaged sheathing. In rough openings, prime all raw gypsum board edges with BA57. Any gaps or joints greater than 1 inch should be structurally repaired or readied for an appropriate transition membrane. Ensure positive drainage at all rough openings.

Surface & Air Temperatures
Surface and ambient temperatures should be 40°F (4°C) and rising and below 110°F (43°C) during application and drying. Wind and high temperatures will accelerate drying.

Hot Weather Precautions: If air or surface temperatures exceed 95°F (35°C), apply to shaded surfaces and before daytime air and surface temperatures reach their peak. Hot surfaces may be cooled with a mist of fresh water. Keep containers closed and out of direct sunlight when not in use.

Cold Weather Conditions: May be applied to frost-free substrates at temperatures below 32°F (0°C). Product will not start curing and drying until temperature rises to and remains above 32°F (0°C).

Low Humidity Conditions: Curing may take longer than 12 hours. Lightly misting treated surfaces with fresh water will accelerate curing. Uncured material may delay construction.

Though SuperiorFlash® may be applied to damp surfaces and tolerates rain immediately after application, do not apply to surfaces with standing water or frost.

Equipment
Apply using a professional caulking gun. Use a DRY joint knife, trowel, or spatula to spread the product. Do not use soapy water when tooling or spreading.

Storage & Handling
Store in a cool, dry place. Keep container tightly closed when not dispensing. Do not open container until preparation work has been completed. Do not alter or mix with other chemicals. When stored at or below 80°F (27°C) SuperiorFlash has a shelf life of 12 months after the date of manufacture. This shelf life assumes upright storage of factory-sealed containers. Do not double stack pallets. Dispose of unused product and container in accordance with local, state and federal regulations.
Application Procedure

Prepare all surfaces as described above under "Preparation." Once preparation is complete, cut open tip of threaded fitting, install sausage into professional caulking gun.

Waterproofing Rough Openings
1. Apply a bead of product in each corner of the rough opening. Apply additional product in a zigzag pattern over the exterior framing inside the rough opening. Spread the wet product to create an opaque, monolithic flashing membrane.

2. Apply a thick bead of SuperiorFlash in a zigzag pattern to the exterior wall surrounding the rough opening. Spread the product to create an opaque, monolithic flashing membrane at 12–15 mils which surrounds the rough opening and extends 4 to 6 inches (100–152 mm) over the face of exterior wall.
   NOTE: When using with existing sheet weather resistant barriers, extend SuperiorFlash 8-10 inches (203-254 mm) over the face of the exterior wall to ensure positive drainage.

3. Allow treated surfaces to skin before installing windows, doors and other wall assembly, waterproofing or air barrier components.
**Application Procedure**

**Filling Joints, Seams and Cracks**
1. Apply a thick bead of SuperiorFlash to all sheathing joints, seams and cracks. Treat joints ranging from ¼ to ½ inch with backer rod before applying SuperiorFlash. On plywood, spot wood knots, deep cracks or surface irregularities.
2. Use a DRY joint knife, trowel or spatula to tool and spread the product. Spread 1-inch beyond seam at each side to a thickness of 12–15 mils.
3. Allow to skin before installing other waterproofing or air barrier components.

**Flashing Transitions**
1. Apply a generous bead of SuperiorFlash® to the top edge of the flashing leg.
2. Spread the wet product to create a monolithic “cap flash” flashing membrane that extends 2 inches (51 mm) up the vertical face of the exterior wall and down over the fastener heads of the metal flashing.

**Curing & Drying**
At 70°F (21°C) and 50% relative humidity, product skins within 30 minutes and dries in 12 hours. SuperiorFlash is moisture curing. Low temperatures and low relative humidity slow dry time. High temperatures and high relative humidity accelerates dry time.

**Cleanup**
Clean tools and equipment with mineral spirits or similar solvent immediately after use. Follow all safety precautions. Remove cured SuperiorFlash mechanically using a sharp-edged tool.
# SuperiorFlash Test Results

**AAMA 714-12: Voluntary Specification for Liquid-Applied Flashing Used to Create a Water-Resistive Seal Around Exterior Wall Openings in Buildings**

<table>
<thead>
<tr>
<th>TEST</th>
<th>METHOD</th>
<th>CRITERIA</th>
<th>RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adhesive Strength to Substrates</td>
<td>ASTM C794</td>
<td>≥ 5 pli</td>
<td>Pass</td>
</tr>
<tr>
<td>Water Penetration Around Nails</td>
<td>Modified ASTM D1970AAMA 711</td>
<td>Shall pass 31 mm (1.2 in) of water</td>
<td>Pass</td>
</tr>
<tr>
<td>Accelerated UV Aging Peel</td>
<td>ASTM G154, UVA cycle 1ASTM C</td>
<td>≥ 5 pli</td>
<td>Pass</td>
</tr>
<tr>
<td>Adhesion Appearance</td>
<td>794, Visual</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elevated Temperature Exposure, Level 3=176° F for 7 days</td>
<td>AAMA 711, ASTM C794</td>
<td>≥ 5 pli</td>
<td>Pass</td>
</tr>
<tr>
<td>Thermal Cycling (10 cycles) Peel</td>
<td>AAMA 711, ASTM C794</td>
<td>≥ 5 pli</td>
<td>Pass</td>
</tr>
<tr>
<td>Adhesion</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crack Bridging</td>
<td>ASTM C1305</td>
<td>Water holdout of 550 millimeters for 24 hrs, 1/8-inch crack per ASTM C1305, 10 cycles.</td>
<td>Pass</td>
</tr>
<tr>
<td>Water Immersion</td>
<td>AAMA 711, ASTM C794</td>
<td>≥ 5 pli</td>
<td>Pass</td>
</tr>
<tr>
<td>Water Vapor Permeability</td>
<td>ASTM E96 Wet Cup</td>
<td>Minimum of 10 perms at manufacturer’s recommended application thickness</td>
<td>Pass – 21 perms</td>
</tr>
<tr>
<td>Damp Surfaces</td>
<td>ASTM C794</td>
<td>≥ 5 pli</td>
<td>Pass</td>
</tr>
</tbody>
</table>

**ICC-ES AC212: Acceptance Criteria for Water-Resistive Coatings Used as Water-Resistive Barriers Over Exterior Sheathing (*SuperiorFlash Tested as Part of an Assembly)*

<table>
<thead>
<tr>
<th>TEST</th>
<th>METHOD</th>
<th>CRITERIA</th>
<th>RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>*Tensile Bond</td>
<td>ASTM C297</td>
<td>Minimum 15 psi (105 kPa)</td>
<td>Pass</td>
</tr>
<tr>
<td>*Freeze-Thaw</td>
<td>ICC-ES AC212</td>
<td>No cracking, checking, crazing, erosion, delamination or other deleterious effects</td>
<td>Pass</td>
</tr>
<tr>
<td>*Water Resistance</td>
<td>ASTM D2247</td>
<td>No cracking, checking, crazing, erosion, delamination or other deleterious effects</td>
<td>Pass</td>
</tr>
<tr>
<td>*Water Penetration</td>
<td>ASTM E331</td>
<td>No visible water penetration at sheathing joints as viewed from back of the panel.</td>
<td>Pass</td>
</tr>
<tr>
<td>*Weathering</td>
<td>ICC-ES AC212AATCC2 127</td>
<td>No cracking of the coating; no water penetration.</td>
<td>Pass</td>
</tr>
</tbody>
</table>

**ABAA: Air Barrier Association of America Acceptance Criteria for Liquid Applied Membranes (*SuperiorFlash Tested as part of an Assembly)*

<table>
<thead>
<tr>
<th>TEST</th>
<th>METHOD</th>
<th>CRITERIA</th>
<th>RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>*Air Leakage of Air Barrier Assemblies</td>
<td>ASTM E 2357</td>
<td>≤ 0.2 L / s-m2 at 75 Pa (≤ 0.04 cfm / ft2 at 1.57 psf)</td>
<td>Pass: 0.0105 L / s-m2 at 75 Pa(0.0021 cfm / ft2 at 1.57 psf)</td>
</tr>
</tbody>
</table>

## Fire Testing

<table>
<thead>
<tr>
<th>TEST</th>
<th>METHOD</th>
<th>CRITERIA</th>
<th>RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface Burning Characteristics</td>
<td>ASTM E84</td>
<td>Criteria for ICC and NFPA Class A Building Material: Flame Spread ≤ 25, Smoke Developed ≤ 450</td>
<td>Meets Class A Building Material. Flame Spread: 15, Smoke Developed: 10</td>
</tr>
</tbody>
</table>
Rollershield Mesh

Lightweight Mesh with Adhesive Coating

Master Wall Rollershield Mesh is a self-adhesive mesh is a lightweight woven, glass fiber mesh that is specially coated for compatibility with Master Wall Rollershield products. The self-adhesive properties allow easier application with Rollershield.

Approved Products
Rollershield-RS
Rollershield-TG
Rollershield-VB
Others approved in writing

Distribution Locations:
30058 • 77474 • 84651
Recycled Content: 0%

Mesh Properties
ASTM C474
ASTM C475
Weave: 20x10

Widths & Packaging
1-7/8” x 300’
(47.6 mm x 91.4 m)

Coverage Estimate
(4x8 sheets)
Square Footage x 0.37 = linear feet of mesh

Add linear footage around windows, doors and other openings.
(coverage is not guaranteed)

Application Procedure

General - The substrate must be clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents and curing compounds. Painted surfaces are not acceptable and the paint must be removed.

Job Conditions - Air and substrate temperature for application of the Rollershield Mesh must be 40°F (5°C) or higher and must remain 40°F (5°C) or higher for a minimum of 24 hours.

Temporary Protection - Must be provided at all times until the wall system, including flashings, caps, and sealants, is completed to provide protection from climatic conditions and other potential damage.

Installation - Apply Rollershield Mesh according to Master Wall Specifications. In general, Rollershield Mesh is centered on the approved sheathing joints, corners, substrate transitions, etc. prior to the application of the Rollershield weather barrier. Apply Rollershield Mesh and immediately paint or trowel Rollershield to hold it in place. See Rollershield Data Sheet for specific instructions. Lap Rollershield Mesh a minimum of 2-1/2” (63.5 mm).

Limitations
Rollershield Mesh is not intended for use as the exterior or primary reinforcement of any Master Wall Systems or for use with any other water barriers or base coats except Rollershield.

Information contained in this product data sheet conforms to the standard detail recommendations and specifications for the installation of Master Wall Inc.® products and is presented in good faith. Master Wall Inc.® assumes no liability, expressed or implied as to the architecture, engineering, or workmanship of any project. This information may be concurrent with, or superseded by other applicable documents, such as specifications and details. Contact Master Wall Inc.® for the most current product information.

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Rollershield Flashing Tape

Rollershield Flashing Tape is a lightweight roll flashing material with superior strength and the ability to bridge most gaps or voids common in construction.

Embedded into wet Rollershield or Trowelshield, it is used at flashing transitions with Master Wall® Rollershield air & water barrier applications. The tape easily embeds into wet Rollershield and dries to a highly reinforced yet flexible flashing.

- Lightweight
-Embeds easily
- Thin, won’t build up wall surface

Tape Size
Rollershield Flashing Tape is available in the following size rolls:

- 4”x180’ (10.2cm x 54.9m)
- 6”x180’ (15.2cm x 54.9m)
- 9”x180’ (22.9cm x 54.9m)

Packaging
4”: 18 rolls per case.
6” & 9”: 12 rolls per case.

Coverage Estimate
(4x8 sheets)
Square Footage x 0.37 = linear feet of tape
Add linear footage around windows, doors and other openings.
(coverage is not guaranteed)
Application Procedure

General—The substrate must be clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents and curing compounds. Test painted surfaces to verify bond.

Job Conditions - Air and substrate temperature for application of Rollershield Flashing Tape must be 40°F (5°C) or higher. Follow Rollershield or Trowelshield temperatures and condition requirements.

Temporary Protection – Protect from weather until the Rollershield/Trowelshield products have set up.

Surface Preparation - Surface temperature must be above 40°F (5°C). Surface must be cured, clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents, and curing compounds.

Installation

General - Rollershield Flashing Tape is embedded into wet Rollershield or Trowelshield at flashing transitions (sheathing to framing, flashing, penetrations, etc.) and at sheathing board joints. Apply a generous layer of either product using a trowel, brush or roller and immediately embed the Rollershield Flashing Tape into the product and draw it tight and smooth working from the center to the edges.

Windows – The unique properties of the Rollershield or Trowelshield air/water barrier system allows window flashing prior to the Rollershield wall application. Apply Rollershield at least 2” (51 mm) either side of the window opening. Use a “butterfly” at corners to complete the application making sure it covers all corners. For best results make sure the Rollershield covers the entire head, jamb and sill areas. The use of sill wedges or water stops is encouraged.

Sheathing Applications — Apply Rollershield at least 2” (51 mm) either side of the sheathing board joint. Immediately embed the Rollershield Flashing Tape into the wet Rollershield and smooth with a trowel, centering it over the joint. Lap Rollershield Mesh Tape 2” (51 mm) minimum

Rollershield/Trowelshield field application can begin as soon as the Rollershield is dry to the touch.
To finish strong you need a leveling base coat with superior weather resistance to stop water before it enters your stucco or wall. Flexible, fibered WeatherSTOP remains flexible, weather resistant and embeds easily into Master Wall® mesh. WeatherSTOP is an alternative to a separate fluid applied water barrier.

WeatherSTOP blocks water before it soaks the stucco keeping your building dry.

Don’t soak your stucco, WeatherSTOP it!

• Protects the stucco, keeps it safe and dry.
• Dry stucco doesn’t support mold growth.
**Application Procedure**

**Job Conditions** - Air and substrate temperature for application of WeatherSTOP must be 40°F (5°C) or higher and must remain 40°F (5°C) or higher for a minimum of 24 hours. Provide temporary protection to protect the wall system from damage until permanent flashings, caps and sealants are installed. Store materials within prescribed temperature limits and out of direct sunlight. Working and drying times are based upon normal room temperature conditions and will vary with temperature and humidity.

**Preparation** - The substrate must be approved by Master Wall Inc.®, clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents and curing compounds or anything that would affect bond. Stucco should cure a minimum of 24 hours and concrete/masonry a minimum of 28 days before application. Painted surfaces are not acceptable and must be removed. Surface should be true to within 1/4” in 10-0” (6 mm in 3 m) and clear of excessive fins and voids.

**Mixing** - Thoroughly stir WeatherSTOP using a heavy duty 1/2” (12.7 mm) drill at 400 - 500 rpm and a heavy duty mixing paddle. Pour half of the stirred WeatherSTOP into a clean plastic pail. Up to 12 ounces (0.35L) of clean, potable water may be added to adjust workability. Add Type I or I-II Portland cement to the half pail of WeatherSTOP in a ratio of one-to-one by weight and mix to a homogenous consistency. Let the mixture stand for 3 to 5 minutes and then stir to a creamy consistency. Do not exceed 24 ounces (0.7L) per pail. Do not over mix as faster setting or reduced working time can occur. Do not add accelerators or retarders to the WeatherSTOP mixture.

**Application**

Water Barrier Application – Apply the WeatherSTOP mixture over the entire surface of the approved substrate in a thickness of approximately 1/16” (1.6 mm).

With Optional Mesh Application – Apply the WeatherSTOP mixture over the entire surface of the approved substrate in a thickness greater than that of the reinforcing fabric being used (approximately 1/16” (1.6 mm) for Standard Mesh). Immediately embed the reinforcing fabric into the wet WeatherSTOP mixture and smooth from the center to the edge to avoid wrinkles. The reinforcing fabric must be continuous at all corners and lapped or abutted in accordance to Master Wall Mesh data sheet requirements. Do not run mesh through control/expansion joints or accessories. The color of the mesh shall not be visible but a slight mesh pattern may be visible.

**Clean Up**—Tools and equipment can be cleaned with soapy water while the WeatherSTOP is still wet.

**Limitations:**

A Master Wall® Superior, Superior Elastomeric Plus or other approved Master Wall finish must be used over the WeatherSTOP.

Surfaces exposed to the weather must be sloped (6:12 minimum).

Under certain conditions efflorescence on the surface during the cure process. This can be removed with a white vinegar solution.
WeatherSTOP Tapes are a peel and stick type flashing with self-sealing properties and a polyester scrim facing designed for use with Master Wall Systems. The tapes feature low initial grab for repositioning that gradually increases over time.

**Application Procedure**

**General**—The substrate must be clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents and curing compounds. Painted surfaces are not acceptable and the paint must be removed.

**Job Conditions** - Air and substrate temperature for application of WeatherSTOP Tapes must be 40°F (5°C) or higher.

**Temporary Protection** – Do not expose to direct sunlight for more than six weeks after installation.

**Surface Preparation** - Surface temperature must be above 40°F (5°C). Surface must be cured, clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents, and curing compounds.

**Approved Substrates**—Include Exterior gypsum sheathing (ASTM C1396), Dens Glass Gold®, GlasRoc®, FiberBond®, Durock®, PermaBase®, Concrete, Brick, Masonry, Wood, Exterior Plywood, Oriented Strand Board and Metal. Contact Master Wall for other approved substrates.

**Priming** – Prime all surfaces except metal with BA57 and allow to dry to the touch.

**Installation** – Plan the work from the bottom up in a shingle-fashion installation. Size the piece of flashing so that it is easy to handle. Start by removing about 12 inches (305 mm) of the release paper and placing it over the area being sealed. Firmly press WeatherSTOP Tape into place, rolling out any bubbles and smoothing it into the surface. Continue pulling off the release paper and smoothing the tape into place.

**Limitations** - WeatherSTOP Tape is a vapor barrier. The dew point must be engineered if it is used as a continuous air/water barrier.

**Tape Sizes**

WeatherSTOP Tapes are available in the following size rolls:

- 4”x100’ (10.2cm x 30.5m)
- 6”x100’ (15.2cm x 30.5m)
- 12”x100’ (30.5cm x 30.5m)

**Weight & Packaging**

Weather Stop Flashing Tape is packaged in cases weighing 82 lbs (37.2kg).

- 4” (10.2cm) Wide:
  - 12 rolls/case
  - 18 cases/pallet
- 6” (15.2 cm) Wide:
  - 8 rolls/case
  - 18 cases/pallet
- 12” (30.5 cm) Wide:
  - 4 rolls/case
  - 18 cases/pallet

**Information contained in this product data sheet conforms to the standard detail recommendations and specifications for the installation of Master Wall Inc.* products and is presented in good faith. Master Wall Inc.* assumes no liability, expressed or implied as to the architecture, engineering, or workmanship of any project. This information may be concurrent with, or superseded by other applicable documents, such as specifications and details. Contact Master Wall Inc.* for the most current product information. ©2016 Master Wall Inc.*

**Master Wall Inc.**

Building a Culture of Excellence

masterwall.com

PO Box 397 • Fortson • GA • 31808 • 800-755-0825 • Tech: 800-760-2861
To finish strong you need a Superior Base Coat that can not only protect but waterproof the surface. Premium Guardian is formulated with waterproof polymers and embeds easily into Master Wall mesh as part of a weather protection strategy.

**Application Procedure**

**Job Conditions** - Air and substrate temperature for application of Guardian must be 40°F (5°C) or higher and must remain 40°F (5°C) or higher for a minimum of 24 hours. Provide temporary protection to protect the wall system from damage until permanent flashings, caps and sealants are installed. Store materials within prescribed temperature limits and out of direct sunlight. Working and drying times are based upon normal room temperature conditions and will vary with temperature and humidity.

**Preparation** - The substrate must be approved by Master Wall Inc., clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents and curing compounds or anything that would affect bond. Painted surfaces are not acceptable and must be removed.

**Mixing** - Thoroughly stir Guardian using a heavy duty 1/2" (12.7 mm) drill at 400 - 500 rpm and a heavy duty mixing paddle. Pour half of the stirred Guardian (22-1/2 lbs, 10.2 kg) into a clean plastic pail. Add Type I or I-II Portland cement to the half pail of Guardian in a ratio of one-to-one by weight (22-1/2 lbs, 10.2 kg) and mix to a homogenous consistency. Let the mixture stand for 3 to 5 minutes and then stir to a creamy consistency. Up to 18 ounces (0.5L) of clean, potable water may be added to a half pail to adjust workability. Do not over mix as faster setting or reduced working time can occur. Do not add accelerators or retarders to the Guardian mixture.

**Application** - Adhesive/Sealer application – Apply the Guardian mixture approximately 1/8" (3.2 mm) thick directly to the approved substrate using a stainless steel trowel. If used to adhere insulation, stipple the Guardian adhesive coat by pressing the trowel into the wet adhesive and then pulling it away from surface. Immediately apply the insulation board to the wet adhesive. Make sure that all edges of the insulation board are abutted tightly and that no Guardian mixture gets into the board joints. Do not allow the Guardian mixture to form a skin prior to placing the insulation board on the substrate.

For base coat application – All imperfections in the insulation board must be rasped flush and any gaps in the insulation board must be filled with slivers of insulation. Apply the Guardian mixture over the entire surface of the insulation board in a thickness greater than that of the reinforcing fabric being used (approximately 1/16" (1.6 mm) for standard mesh and 3/32" (2.4 mm) for Ultra Mesh). Immediately embed the reinforcing fabric into the wet Guardian mixture and smooth from the center to the edge to avoid wrinkles. The reinforcing fabric must be continuous at all corners and lapped or abutted in accordance to Master Wall specifications. The color of the mesh shall not be visible but a slight mesh pattern may be visible.

For Sloped Surfaces—Embed reinforcing mesh in Guardian as noted in the base coat application. If Guardian is used on the sloped surface only, consider a skim coat of the wall base coat to equalize finish absorption and color. Minimum recommended slope is 1:2 and maximum run is 18" (0.46m) with two-layers of Standard Mesh. Consult Master Wall and local code requirements for specifics.

**Clean Up**—Tools and equipment can be cleaned with soapy water while the Guardian is still wet.

**Job Conditions**

**Limitations** - Guardian is not intended for water immersion.

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**Approved Substrates**
- Master Wall Base Coats
- Stucco
- Prepared & Base Coated Surfaces of Brick, Concrete, Masonry
- Exterior gypsum sheathing (ASTM C1396, C1177)
- Dens Glass Gold®
- FiberBond®
- Gold Bond e2xp®
- Securock®
- Durock®
- ProGUARD®
- PermaBase®
- Util-A-Crete®, ProTEC®, GlasRoc®
- Others approved in writing

**VOC:** <1% by Weight

**Manufacture Locations:**
- 30058 • 77474 • 84651

**Recycled Content:** 0%

**Packaging:** 5 gallon (19L) pail
- Pail Weight: 45 lbs (20.4 kg)
- Coverage (estimated)
  - 1/8" (3.2 mm) sealer: 80-90 sf (7.5-8.3 sm)
  - 1/16" (1.6 mm) base coat: 160-180 sf (15-17 sm)
- Working Time: 1 hour @ room temperature
- Drying Time: 12 hours @ room temperature
- Application Range: 40°F-110°F (5°C-43°C)
- Shelf Life: 2 years

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Master Wall Inc. approves the use of PROSOCO R-GUARD® Cat 5® for use with our Cemplaster Fiberstucco systems and will provide a single-source warranty for the application. Cat 5® is an easy to use air and water barrier with the following advantages:

• Solvent free. Isocyanate free. Phthalate free.
• Complies with all VOC regulations.
• Silane functional polymer provides superior long term adhesion, crack bridging and weathering characteristics. Self seals fastener penetrations.
• Bonds to most common building materials without priming to produce a durable, weatherproof membrane which will not tear or displace when subjected to wind loads during construction. Easy to repair if damaged.
• Will not tear or lose effectiveness when exposed to weather during construction.
• May be fully exposed to UV and weather for up to 12 months.
• Cat 5® comes in a rain screen version for ventilated rain screen applications.
• Service temperature from -75°F to 300°F (-59°C to 149°C).
• Single component – saves time.
• Easy roller application in all climates.
• Bonds and cures in wet weather and on damp substrates.
• No shrinkage. No staining. No yellowing.
• Breathable. Allows damp surfaces to dry.
• Will not support mold growth.
• Stops penetration of air and water under normal and extreme weather conditions.

Cat 5® and R-GUARD are trade names of PROSOCO and used with permission.
Rollershield Drainage EIFS

PROSOCO R•Guard® Cat 5® Air/Water Barrier

Class PB Drainage Exterior Insulation and Finish System

Features & Benefits
- 99% Drainage Efficiency
- High Insulating Value (R-4 per inch)
- CFC & HCFC Free Insulation Board, Recyclable
- Medium Impact Resistance is standard

System Use
- Commercial
- Residential

Attachment Method
- Adhesive

Master Wall Inc.® Rollershield Drainage Class PB Exterior Insulation and Finish System is now approved over PROSOCO R•Guard® Cat 5® air and water-resistive barrier. Vertical adhesive channels in the Rollershield Drainage EIFS drain away any incidental water entering the system. This highly adaptable cladding is suitable for both new and retrofit construction.

More Information

Rollershield Drainage System

masterwall.com

PO Box 397 • Fortson • GA • 31808 • 800-755-0825 • Tech: 800-760-2861
Short Form Specification

1.0 General
This is a short form specification. Refer to Rollershield Drainage EIFS specifications and details for additional information.

1.1 System Description
The Master Wall® Rollershield Drainage Exterior Insulation and Finish System (EIFS) is a Class PB (Polymer Based) EIF System consisting of a vertical channel adhesive attachment, insulation board, reinforcing mesh and a textured finish. This system is applied over a PROSOCO R•Guard® Cat 5® fluid applied air and water-resistant barrier.

1.2 Design Requirements:
A. Reference Master Wall® suggested details and architectural drawings for specific detail requirements.
B. Slope all surfaces a minimum of 1:2 (6" in 12") to shed water, maximum 12" (305mm) wide.
C. Maximum deflection of substrates shall not exceed L/240.
D. Typical acceptable substrates required for Rollershield Drainage EIFS and Cat 5® attachment include unpainted brick, masonry, concrete, Portland cement plaster (stucco), exterior grade gypsum sheathing (ASTM C1396), Glass Fiber Sheathing (ASTM C1177), CDX exterior grade plywood, Exposure 1 Oriented Strand Board (OSB).
E. Expansion joints are required in the cladding at building expansion joints, panel joints, floor lines in wood framed construction, and other areas where significant movement occurs.

1.3 Quality Assurance
A. The Rollershield Drainage System shall be recognized by local building codes.
B. The system shall be meet or exceed ASTM C1397 and detailed in accordance with ASTM E2511.
C. The system shall have been tested for fire performance in accordance with ASTM E108, ASTM E-84, NFPA 265, and NFPA 268.
D. The system shall have been tested for drainage performance in accordance with ASTM E331.

1.4 Job Conditions
A. Store all materials protected from weather and direct sunlight at temperatures above 40°F (5°C).
B. The ambient and wall temperature shall be a minimum of 40°F (5°C) and shall remain so for at least 24 hours after installation.

2.0 Products
All components of the Rollershield Drainage System shall be manufactured by Master Wall® and supplied by an authorized distributor.
A. Master Wall Adhesives:
   1. Foam & Mesh Adhesive (F&M), F&M Plus: A 100% pure acrylic-based adhesive that is field mixed with Portland cement.
   2. Master Wall® Bagged Base (MBB), MBB Plus: A ready to use dry base that is field mixed with water.
   3. Guardian: A waterproof 100% pure acrylic-based fiber reinforced adhesive that is field mixed with Portland cement.
B. Master Wall Insulation Board: Molded Expanded Polystyrene insulation board manufactured to Master Wall® specifications.
C. Aggre-flex Mesh: Available in Standard, Detail, Hi-Tech, Medium, Strong and Ultra.
D. Master Wall Base Coats:
   1. Foam & Mesh Adhesive (F&M), F&M Plus.
   2. Master Wall® Bagged Base (MBB), MBB Plus.
   3. Guardian.
F. Specialty Finishes: Specialty finish blends of natural and man-made decorative elements, finishes and accents.
G. Master Wall Coatings:

3.0 Installation
A. Inspect the substrate to ensure that it is free of all foreign materials that would affect the adhesion of the Rollershield Drainage EIFS System. EIFS must be installed within 30 days of Cat 5® application.
B. Apply the system in strict accordance with Master Wall® and PROSOCO specifications, product data sheets, architectural drawings and architectural specifications.

R•Guard® and Cat 5® are trade names of PROSOCO and are used with permission.
Rollershield Drainage EIFS

PROSOCO R•Guard® Spray Wrap MVP Air/Water Barrier

Class PB Drainage Exterior Insulation and Finish System

Features & Benefits
- 99% Drainage Efficiency
- High Insulating Value (R-4 per inch)
- CFC & HCFC Free Insulation Board, Recyclable
- Medium Impact Resistance is standard

System Use
- Commercial
- Residential

Attachment Method
- Adhesive

More Information
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Master Wall Inc.® Rollershield Drainage Class PB Exterior Insulation and Finish System is now approved over PROSOCO R•Guard® Spray Wrap MVP air and water-resistive barrier. Vertical adhesive channels in the Rollershield Drainage EIFS drain away any incidental water entering the system. This highly adaptable cladding is suitable for both new and retrofit construction.
Short Form Specification

1.0 General
This is a short form specification. Refer to Rollershield Drainage EIFS specifications and details for additional information.

1.1 System Description
The Master Wall® Rollershield Drainage Exterior Insulation and Finish System (EIFS) is a Class PB (Polymer Based) EIF System consisting of a vertical channel adhesive attachment, insulation board, reinforcing mesh and a textured finish. This system is applied over a PROSOCO R•Guard® Spray Wrap MVP fluid applied air and water-resistant barrier.

1.2 Design Requirements:
A. Reference Master Wall® suggested details and architectural drawings for specific detail requirements.
B. Slope all surfaces a minimum of 1:2 (6” in 12”) to shed water, maximum 12” (305mm) wide.
C. Maximum deflection of substrates shall not exceed L/240.
D. Typical acceptable substrates required for Rollershield Drainage EIFS and Spray Wrap MVP® attachment include unpainted brick, masonry, concrete, Portland cement plaster (stucco), exterior grade gypsum sheathing (ASTM C1396), Glass Fiber Sheathing (ASTM C1177), CDX exterior grade plywood, Exposure 1 Oriented Strand Board (OSB).
E. Expansion joints are required in the cladding at building expansion joints, panel joints, floor lines in wood framed construction, and other areas where significant movement occurs.

1.3 Quality Assurance
A. The Rollershield Drainage System shall be recognized by local building codes.
B. The system shall be meet or exceed ASTM C1397 and detailed in accordance with ASTM E2511.
C. The system shall have been tested for fire performance in accordance with ASTM E108, ASTM E-84, NFPA 265, and NFPA 268.
D. The system shall have been tested for drainage performance in accordance with ASTM E331.

1.4 Job Conditions
A. Store all materials protected from weather and direct sunlight at temperatures above 40°F (5°C).
B. The ambient and wall temperature shall be a minimum of 40°F (5°C) and shall remain so for at least 24 hours after installation.

2.0 Products
All components of the Rollershield Drainage System shall be manufactured by Master Wall® and supplied by an authorized distributor.

A. Master Wall Adhesives:
1. Foam & Mesh Adhesive (F&M), F&M Plus: A 100% pure acrylic-based adhesive that is field mixed with Portland cement.
2. Master Wall® Bagged Base (MBB), MBB Plus: A ready to use dry base that is field mixed with water.
3. Guardian: A waterproof 100% pure acrylic-based fiber reinforced adhesive that is field mixed with Portland.

B. Master Wall Insulation Board: Molded Expanded Polystyrene insulation board manufactured to Master Wall® specifications.

C. Aggre-flex Mesh: Available in Standard, Detail, Hi-Tech, Medium, Strong and Ultra.

D. Master Wall Base Coats:
1. Foam & Mesh Adhesive (F&M), F&M Plus.
2. Master Wall® Bagged Base (MBB), MBB Plus.
3. Guardian.


F. Specialty Finishes: Specialty finish blends of natural and man-made decorative specialty finishes and accents.

G. Master Wall Coatings:

3.0 Installation
A. Inspect the substrate to ensure that it is free of all foreign materials that would affect the adhesion of the Rollershield Drainage EIFS System. EIFS must be installed within 30 days of Spray Wrap MVP application.
B. Apply the system in strict accordance with Master Wall® and PROSOCO specifications, product data sheets, architectural drawings and architectural specifications.

R•Guard® and Spray Wrap MVP are trade names of PROSOCO and are used with permission.
Master Wall Inc. approves the use of PROSOCO R-GUARD® FastFlash® for use with our Rollershield and Trowelshield applications and systems. FastFlash® is an easy to use moisture curing flashing system with the following advantages:

- Single component—no need for flashing tapes or peel and stick.
- Coatable with Rollershield or Trowelshield after 2 hours.
- Allows same day installation of windows, doors and other wall assembly, waterproofing or air barrier components.
- May be exposed to weather for up to 6 months without compromising performance.
- Use FastFlash® to adhere, transition and counter-flash through-wall sheet flashing. Bonds to most construction materials.
- Ready to use out of a tube or sausage, saves time and requires no mixing.
- Easy to gun and spread in all climates.
- Will not tear or lose effectiveness when exposed to weather during construction.
- Bonds and cures in wet weather and on damp substrates.
- Breathable – allows damp surface to dry.
- Will not support mold growth.

FastFlash® and R-GUARD® are trade names of PROSOCO and used with permission.
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**Step One**

Consolidate and seal the raw, cut gypsum board edges within the rough opening by brushing on a thin uniform coat of GypPrime.

**Step Two**

Apply a thick bead of Joint & Seam Filler to all inside corners, joints and seams within the rough opening. Use a dry joint knife or trowel to spread 1 inch beyond the seam on each side.

**Step Three**

Spread FastFlash 4-6 inches over the structural wall, including areas covered with Joint & Seam Filler.
Drainage media has been used behind Master Wall® Systems for many years. The drainage media can vary from a very thin cross section material, a thicker version designed to prevent capillary action to a true ventilated wall cavity. The designs will vary and Master Wall® is available to help coordinate detailing as needed.

**Systems**
- Aggre-flex Drainage EIFS
- Cemplaster Fiberstucco
- QRW1 Drainage EIFS
- Stucco Cement Board Coatings

**Approved Manufacturers**
- Advanced Building Products Inc.
- Benjamin Obdyke
- Cosella-Dorken
- Keene Building Products
- Mortar Net Solutions/Clark Dietrich
- Plastic Components

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Drainage Mat under Cemplaster Fiberstucco

Drainage Mat under Insulated Cemplaster Fiberstucco

Drainage Mat under Aggre-flex Drainage EIFS
The following manufactures are approved by Master Wall Inc.®:

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Product</th>
<th>Type</th>
<th>Approved Systems</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Building Products Inc.</td>
<td>Mortairvent</td>
<td>Rainscreen Mat with Backer Fabric, 6 mm &amp; 10 mm</td>
<td>Aggre-flex Drainage EIFS, Cemplaster Fiberstucco, Stucco Cement Board Coatings, QRW1 Drainage EIFS</td>
<td>Minimum 1–1/2“ Insulation board required for EIFS, Two water barriers required under Master Wall stucco systems</td>
</tr>
<tr>
<td>Benjamin Obdyke</td>
<td>Home Slicker</td>
<td>Rainscreen Mat</td>
<td>Aggre-flex Drainage EIFS, Cemplaster Fiberstucco, Stucco Cement Board Coatings, QRW1 Drainage EIFS</td>
<td>Minimum 1–1/2“ Insulation board required for EIFS, weather barrier required behind stuccos to prevent bonding to mat</td>
</tr>
<tr>
<td></td>
<td>Home Slicker Plus</td>
<td>Rainscreen Mat with water barrier</td>
<td>Aggre-flex Drainage EIFS, Cemplaster Fiberstucco, Stucco Cement Board Coatings, QRW1 Drainage EIFS</td>
<td>Minimum 1–1/2“ Insulation board required for EIFS, weather barrier required behind stuccos to prevent bonding to mat</td>
</tr>
<tr>
<td>Cosella-Dorken</td>
<td>Delta Dry</td>
<td>True Ventilated Wall Cavity</td>
<td>Cemplaster Stucco, OCS</td>
<td>Two water barriers required under Master Wall stucco systems</td>
</tr>
<tr>
<td>Keene Building Products</td>
<td>Driwall Rainscreen 020-1</td>
<td>Rainscreen Mat with mortar fabric</td>
<td>Aggre-flex Drainage EIFS, Cemplaster Fiberstucco, Stucco Cement Board Coatings, QRW1 Drainage EIFS</td>
<td>Minimum 1–1/2“ Insulation board required for EIFS, weather barrier required behind stuccos to prevent bonding to mat</td>
</tr>
<tr>
<td></td>
<td>Driwall Rainscreen 10mm</td>
<td>Rainscreen Mat with mortar fabric</td>
<td>Aggre-flex Drainage EIFS, Cemplaster Fiberstucco, Stucco Cement Board Coatings, QRW1 Drainage EIFS</td>
<td>Minimum 1–1/2“ Insulation board required for EIFS, weather barrier required behind stuccos to prevent bonding to mat</td>
</tr>
<tr>
<td></td>
<td>Driwall Rainscreen 075</td>
<td>Wide Spaced Rainscreen Mat</td>
<td>Cemplaster Fiberstucco</td>
<td>Two water barriers required under Master Wall stucco systems</td>
</tr>
<tr>
<td></td>
<td>Driwall Rainscreen 075-1</td>
<td>Wide Spaced Rainscreen Mat with mortar fabric</td>
<td>Cemplaster Fiberstucco</td>
<td>Two water barriers required under Master Wall stucco systems</td>
</tr>
<tr>
<td>Moisture Management for Masonry/Clark Dietrich Building Systems</td>
<td>LathNet®</td>
<td>2.5 lb/sy Self Furring Metal Lath with Drainage Plane Mesh</td>
<td>Cemplaster Fiberstucco</td>
<td>Two water barriers required under Master Wall stucco systems</td>
</tr>
<tr>
<td>Plastic Components</td>
<td>Ultra-Lath</td>
<td>Plastic Lath in sheets or rolls</td>
<td>Aggre-flex Drainage EIFS, Stucco Cement Board Coatings, QRW1 Drainage EIFS</td>
<td>Systems must be mechanically attached through plastic lath</td>
</tr>
<tr>
<td></td>
<td>Ultra-Drain Mat</td>
<td>Rainscreen Mat with mortar fabric</td>
<td>Aggre-flex Drainage EIFS, Cemplaster Fiberstucco, Stucco Cement Board Coatings, QRW1 Drainage EIFS</td>
<td>Minimum 1–1/2“ Insulation board required for EIFS, weather barrier required behind stuccos to prevent bonding to mat</td>
</tr>
<tr>
<td></td>
<td>UDM-40 (10 mm)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UDM-25 (6 mm)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Varies</td>
<td>Varies</td>
<td>2.5#f/sy metal lath fastened to substrate in accordance with ASTM C1063</td>
<td>Aggre-flex Drainage EIFS, QRW1 Drainage EIFS</td>
<td>Aggre-flex Drainage may be adhered to the metal lath with F&amp;M or MBB Adhesives, others must be mechanically attached through metal lath.</td>
</tr>
</tbody>
</table>
Master Wall DV Roll is a lightweight corrugated plastic designed for use where drainage or venting is required without the use of heavy plastic accessories. DV Roll can be used with backwrapped application techniques in Master Wall EIFS and as part of a compartmentalized venting assembly.

**Application Procedure**

**General**—The substrate must be clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents and curing compounds.

**Job Conditions** - Air and substrate temperature for application of the DV Roll should be 40°F (5°C) or higher and must remain 40°F (5°C) or higher for a minimum of 24 hours if EIFS or stucco operations are planned after installation.

**Temporary Protection** – Must be provided at all times until the wall system, including flashings, caps, and sealants, is completed to provide protection from climatic conditions and other potential damage.

**Installation** – Apply DV Roll where required such as at the building foundation line, window and door heads, etc. At foundations apply over a water barrier that is lapped over the foundation at least 1" (25 mm). Attach DV Roll with either a single part polyurethane; Sonolastic® NP1™, Sikaflex® One Part Polyurethane, Tremco Vulkem Polyurethane Sealant or similar product or use nails/staples. Secure at approximately 12" (305 mm) centers. Butt any individual pieces of DV Roll where it occurs.

Backwrap mesh can be attached through the DV Roll. For adhesively applied EIFS, do not apply adhesive over the DV Roll as it will cause irregularities in the wall. Depending upon wall conditions the insulation board may need to be routed on the backside to lessen irregularities.

**Limitations**

DV Roll is combustible and may not be appropriate for fire rated assemblies.

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Plastic accessories are used as an alternate to backwrapping Exterior Insulation and Finish Systems (EIFS)

- Eliminates backwrapping
- Drainage versions available
- UV Resistant
- Good bonding surface for sealants

Drainage System shown, lap water barrier into drainage track

Manufacturers
Vinyl Corp. 800-648-4695, www.vinylcorp.com
Wind-Lock 800-872-5625, www.wind-lock.com

Product Test Standards
ASTM D1784, ASTM C1063, ASTM D4216, May not be suitable for non-combustible construction assemblies.
**Application Procedure**

1. EIFS accessories shall be erected true to line (allowable tolerance of ¼” in 10’ (6.4 mm in 3.05m), level, plumb, squared or curved.
2. Casing beads at grade (drainage or non-drainage) shall be placed not less than 1” (25 mm) below the joint formed by the foundation and framing and placed not less than 6” (152 mm) above raw earth or 2” (51 mm) above paved surfaces.
3. Drainage systems shall have the weather-resistive barrier lapped into the casing bead.
4. Attach accessories to the substrate in such a manner as to ensure proper alignment during the application of the EIFS. Accessories shall be secured at not more than 16” (406 mm) centers for non-nailable substrates and 8” (203 mm) on center for nailable.
5. Seal all butt joints, intersections, ends and corners at time of installation using an elastomeric sealant. Allow silicone-based sealant to fully cure before proceeding with insulation board application.

**Starter Track w/ Drip**

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Starter Track w/ drip</th>
<th>Starter Track</th>
<th>Casing Bead</th>
<th>Drip Edges</th>
<th>Vents</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wind-Lock</td>
<td>WSTDE Series*</td>
<td>UST Series*</td>
<td>WST Series, WSTWP Series*</td>
<td>WEMT Series</td>
<td>WSV Series</td>
</tr>
</tbody>
</table>

*Drainage Holes

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Stucco Accessories

Stucco accessories are used to help gauge the thickness of stucco systems, help control stucco movement and form corners. Lath reinforcement is used to reinforce the stucco.

Manufacturers

Amico Building Products1,2,3,4 800-366-2642, www.amico-lath.com
CEMCO2 800-775-2362, www.cemcosteel.com
ClarkDietrich Building Systems1,2,3 513-870-1100, www.clarkdietrich.com
Vinyl Corp.1 800-648-4695, www.vinylcorp.com
Wind-Lock1 800-872-5625, www.wind-lock.com

Product Test Standards

Packaging (trims): Typically 10’ lengths
Weight: Varies

Typical Grounds (thickness):
3.8” (9.5mm), 1/2” (13mm), 5/8” (16mm), 3/4” (19mm), 7/8” (22mm)

Materials:
1. PVC, ASTM D 1784.
2. Galvanized Metal, ASTM A 653 with G60 or G90 coating.
4. Stainless Steel, ASTM C841 Type 304.

Lath Reinforcement:
CFS01, 3/8” thick No. 17 gauge galvanized steel woven wire fabric, ASTM C1032.
CFS03, 1/2” thick 2.5 lb./yd² (1.4 kg/m²) self-furred galvanized steel diamond mesh metal lath, ASTM C 847.
CFS03-SS, 1/2” thick 2.5 lb./yd² (1.4 kg/m²) self-furred stainless steel diamond mesh metal lath, ASTM C 847.
CFS04 & 05, 3/4 -7/8” thick 3.4 lb./yd² (1.8 kg/m²) self-furred galvanized steel diamond mesh metal lath, ASTM C 847.
CFS04 & 05-SS, 3/4 -7/8” thick 3.4 lb./yd² (1.8 kg/m²) self-furred stainless steel diamond mesh metal lath, ASTM C 847, 304 or 316 stainless steel.

Systems
Cemplaster Fiberstucco

Manufacture Locations:
Verify with manufacturer

Recycled Content:
Varies with manufacturer

Packaging (trims): Typically 10’ lengths
Weight: Varies

Typical Grounds (thickness):
3.8” (9.5mm), 1/2” (13mm), 5/8” (16mm), 3/4” (19mm), 7/8” (22mm)

Materials:
1. PVC, ASTM D 1784.
2. Galvanized Metal, ASTM A 653 with G60 or G90 coating.
4. Stainless Steel, ASTM C841 Type 304.
Application Procedure

After satisfactory inspection of surfaces and correction of any deviations from specification requirements commence the Cemplaster Fiberstucco installation in accordance with Master Wall Specifications.

Weep Screed Installation

Install foundation weep screed at the base of the wall securely to framing with the appropriate fastener. Locate foundation weep screed so that it overlaps the joint between the foundation and framing by a minimum of 1 inch (25 mm). Locate the foundation weep screed minimum 4 inches (101 mm) above earth grade, 2 inches (51 mm) above finished grade (paved surfaces, for example).

Weather Protection

Weather barrier will lap onto foundation weep screed as noted in Master Wall® details. Verify that WRB installation is complete.

Casing Bead and Expansion Joint Installation

Install casing beads at Cemplaster Fiberstucco terminations—doors, windows and other through wall penetrations. Install expansion joints (or back-to-back casing beads) at building expansion joints, where the Cemplaster Fiberstucco is to be installed over dissimilar construction or substrates, at changes in building height, at floor lines, columns, and cantilevered areas. Install full accessory pieces where possible and avoid small pieces. Seal adjoining pieces by embedding ends in sealant. Abut horizontal into vertical joint accessories. Attach at 6-inch (152 mm) centers into framing with appropriate fasteners.

(Note: refer to architectural drawings for joint locations and accessory type. Moisture protection must be continuous behind joints and accessories.)

Control Joint Installation

Install control joints every 144 ft² (13.4 m²) for walls and 100 ft² (9.3 m²) maximum (as indicated on the construction documents). Tack in place as insure proper alignment during the application of the lath. Wire tie control joints to lath at 6 inches (152 mm) on center if framing members aren’t present under the accessory. Seal any exposed ends and edges preferably by setting them in sealant during installation to prevent water entry.

Lath Installation

Diamond Mesh Metal Lath: General—install metal lath with the long dimension at right angles to structural framing. Terminate lath at expansion joints. Do no install continuously beneath joints. Seams/overlaps—overlap side seams a minimum of ½ inch (13 mm) and end seams a minimum 1-inch (25 mm). Stagger end seams. Overlap casing beads and expansion joints minimum 1 inch (25 mm) over the narrow wing accessories and 2 inches over expanded flange accessories. Attachment—fasten securely through sheathing into structural framing at 6 inches (152 mm) center vertically and 16-24 inches (41-61 cm) center horizontally*. Wire tie horizontal laps at 8 inches (204 mm) on center at side laps, accessory overlaps, and where end laps occur between supports.

Florida HVHZ: 7/8” minimum thickness of Cemplaster Fiberstucco, 3.4#/sy metal lath fastened 4” (102 mm) on center vertically and 16” (41 cm) on center horizontally.

Welded wire fabric lath—follow installation as for metal lath except overlap all seams by one mesh minimum. Paper-backed lath—follow installation as for metal lath. Lap lath over lath, not paper to lath overlap. For horizontal overlaps the paper backing must lap shingle style behind the lath-to-lath overlap.

Apply Striplath, minimum 4” x 12” (102 mm x 305 mm), in type and weights of selected lath at casing bead corners if control joints aren’t located there.

Inside and Outside Corners: Install corner lath at inside corners and corner bead at outside corners over lath. Attach through lath into framing at 6 inches (152 mm) on center with appropriate fasteners.

(*Note: the type fastener selected, its layout and pullout or withdrawal value from the supporting construction must be verified and approved by the project engineer/architect with respect to design wind load and local building code requirements).
Master Wall Inc. continuously tests our products and systems to meet the most current building codes.

### Fire Testing

<table>
<thead>
<tr>
<th>TEST</th>
<th>TEST METHOD</th>
<th>CRITERIA</th>
<th>RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fire Resistance</td>
<td>ASTM E119</td>
<td>No effect on the fire resistance of a rated wall assembly</td>
<td>See Technical Bulletin MW#168-030111 for assemblies</td>
</tr>
<tr>
<td>Ignitability</td>
<td>NFPA 268 (BOCA 99/1407.0)</td>
<td>No ignition at 12.5 kw/m² at 20 minutes</td>
<td>Pass</td>
</tr>
</tbody>
</table>
| Intermediate Multi-Story Fire Test | NFPA 285 (UBC 26-9) | 1. Resist flame propagation over the exterior surface  
2. Resist vertical spread of flame within combustible core/ component of panel from one story to the next  
3. Resist vertical spread of flame over the interior surface from one story to the next  
4. Resist lateral spread of flame from the compartment of fire origin to adjacent spaces | Pass                                                                     |
| Surface Burning Characteristics—Base Coat, Mesh and Finish | ASTM E84 | All components shall have:  
Flame Spread ≤ 25  
Smoke Developed ≤ 450 | Flame Spread = 0  
Smoke Developed = 0 |
| Surface Burning Characteristics—Rollershield | ASTM E84 | All components shall have:  
Flame Spread ≤ 25  
Smoke Developed ≤ 450 | Flame Spread = 5  
Smoke Developed = 5 |

### Meshes & Insulation Board

<table>
<thead>
<tr>
<th>TEST</th>
<th>TEST METHOD</th>
<th>CRITERIA</th>
<th>RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reinforcing Mesh Alkali Resistance of Reinforcing Mesh</td>
<td>ASTM E2098 (formerly EIMA 105.01)</td>
<td>&gt; 21dN/cm (120 pli) retained tensile strength after exposure</td>
<td>Pass</td>
</tr>
<tr>
<td>EPS (Physical Properties) Density</td>
<td>ASTM C303, D1622</td>
<td>15.2-20.0 kg/m³ (0.95-1.25 lb/ft³)</td>
<td>Pass</td>
</tr>
</tbody>
</table>
| Thermal Resistance        | ASTM C177, C518 | 4.0 @ 4.4 °C (40 °F)  
3.6 @ 23.9 °C (75 °F)  
2.5 % max. by volume  
24% min. by volume | Pass    |
| Water Absorption Oxygen Index | ASTM C272 | 2.5 % max. by volume  
> 25 KPa (10 psi) min.  
69 KPa (10 psi) min.  
172 KPa (25 psi) min.  
25 max.  
450 max. | Pass    |
| Compressive Strength      | ASTM D2863 | 15.2-20.0 kg/m³ (0.95-1.25 lb/ft³) | Pass    |
| Flexural Strength         | ASTM D1621 Proc. A | 3.6 @ 23.9 °C (75 °F)  
2.5 % max. by volume  
24% min. by volume | Pass    |
| Flame Spread              | ASTM C203 | 2.5 % max. by volume  
69 KPa (10 psi) min.  
172 KPa (25 psi) min.  
25 max.  
450 max. | Pass    |
| Smoke Developed           | ASTM E84 | > 21dN/cm (120 pli) retained tensile strength after exposure | Pass    |
## EIFS & Coatings

<table>
<thead>
<tr>
<th>TEST</th>
<th>TEST METHOD</th>
<th>CRITERIA</th>
<th>RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abrasion Resistance</td>
<td>ASTM D968</td>
<td>No deleterious effects after 500 liters (528 quarts)</td>
<td>Pass</td>
</tr>
<tr>
<td>Accelerated Weathering</td>
<td>ASTM G155 Cycle 1</td>
<td>No deleterious effects after 2000 hours</td>
<td>Pass</td>
</tr>
<tr>
<td>Accelerated Weathering</td>
<td>ASTM G23 (G152 &amp; 153)</td>
<td></td>
<td>Pass</td>
</tr>
<tr>
<td>Accelerated Weathering</td>
<td>ASTM G53</td>
<td>No deleterious effects after 2000 hours (QUV)</td>
<td>Pass</td>
</tr>
<tr>
<td>Freeze-Thaw</td>
<td>ASTM E2485 (formerly EIMA 101.01)</td>
<td>No deleterious effects after 60 cycles</td>
<td>Pass</td>
</tr>
<tr>
<td>Freeze-Thaw</td>
<td>ASTM C67 modified/ICBO AC24</td>
<td>No deleterious effects after 10 cycles</td>
<td>Pass</td>
</tr>
<tr>
<td>Freeze-Thaw</td>
<td>ASTM E2485/ICC-ES Proc. ICC ES (AC 235)***</td>
<td>No deleterious effects after 10 cycles</td>
<td>Pass</td>
</tr>
<tr>
<td>Mildew Resistance</td>
<td>ASTM D3273</td>
<td>No growth during 28 day exposure period</td>
<td>Pass</td>
</tr>
<tr>
<td>Water Resistance</td>
<td>ASTM D2247</td>
<td>No deleterious effects after 14 days exposure</td>
<td>Pass</td>
</tr>
<tr>
<td>Impact</td>
<td>ASTM D5420</td>
<td>Gardner Impact Falling Weight</td>
<td>Pass</td>
</tr>
<tr>
<td>Salt Spray Resistance</td>
<td>ASTM B 117</td>
<td>No deleterious effects after 300 hours exposure</td>
<td>Pass</td>
</tr>
<tr>
<td>Water Penetration</td>
<td>ASTM E331 ICC ES (AC 235)***</td>
<td>No water penetration beyond the innermost plane of the wall after 15 minutes at 137 Pa (2.86 psf)</td>
<td>Pass at 2.86 psf (137 Pa), 6.24 psf (299 Pa), and 12.0 psf (575 Pa) consecutively</td>
</tr>
<tr>
<td>Water Vapor Transmission</td>
<td>ASTM E 96 Water Method</td>
<td>Vapor permeable perm (ng/Pa.s.m²)</td>
<td>EPS 5 perm-inch (114) Base Coat* 12 (679) Finish** 12 (674)</td>
</tr>
<tr>
<td>Component-Specific Weather Protection</td>
<td>IBC 1403</td>
<td>2-hour water test of EIFS and specific components</td>
<td>Pass</td>
</tr>
<tr>
<td>Drainage Efficiency</td>
<td>ASTM E 2273 ICC ES (AC 235)***</td>
<td>Minimum Drainage Efficiency of 90%</td>
<td>Aggre-flex Drainage 97.8%, Rollershield Drainage 99.2%, Commercial Drainage 97.8%, QRW1 Drainage 97.8%</td>
</tr>
</tbody>
</table>

* Base Coat perm value based on Master Wall F&M  
** Finish perm value based on Master Wall Perfect Texture  
*** AC 235 (ASTM E 2568) – Acceptance Criteria for EIFS Clad Drainage Wall Assemblies
## Impact Resistance (ASTM E2486/EIMA 101.86)

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>OZ/SY</th>
<th>IN-LB RESULTS</th>
<th>JOULES</th>
<th>EIMA CLASSIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard Mesh</td>
<td>4.5</td>
<td>50-89</td>
<td>6-10</td>
<td>Medium</td>
</tr>
<tr>
<td>Hi-Tech Mesh</td>
<td>6.0</td>
<td>50-89</td>
<td>6-10</td>
<td>Medium</td>
</tr>
<tr>
<td>Medium Mesh</td>
<td>10.4</td>
<td>50-89</td>
<td>10-17</td>
<td>Medium</td>
</tr>
<tr>
<td>Medium &amp; Standard Mesh</td>
<td>10.4 &amp; 4.5</td>
<td>90-150</td>
<td>10-17</td>
<td>High Impact</td>
</tr>
<tr>
<td>Strong &amp; Standard Mesh</td>
<td>15.0 &amp; 4.5</td>
<td>Over 150</td>
<td>&gt;17</td>
<td>Ultra High Impact</td>
</tr>
<tr>
<td>Ultra &amp; Standard Mesh</td>
<td>21.0 &amp; 4.5</td>
<td>Over 150</td>
<td>&gt;17</td>
<td>Ultra High Impact</td>
</tr>
</tbody>
</table>

* Ultimate wind loads – contact Master Wall for specific assemblies.

---

### Test Methods

- **Tensile Bond**
  - ASTM C297/E2134
  - Minimum 15 psi (104 kPa) – substrate or insulation failure
  - Plywood/EPS 67 psi (464)
  - OSB/EPSA 22 psi (152)
  - Brick/F&M 105 psi (728)
  - Concrete/F&M 94 psi (651)
  - Gypsum/F&M 30 psi (208)

- **Tensile Bond**
  - ASTM D897
  - Bond strength before and after 2000 hours florescent UV condensation weathering.
  - Before 24.6 psi
  - After 22.7 psi

- **Transverse Wind Load**
  - ASTM E330
  - Withstand positive and negative wind loads as specified by the building code
  - Pass. Assemblies vary from 68-287 psf*

---

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Technical 800-760-2861  
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050111
## Rollershield LAB (Liquid Applied Air/Water Barrier)

<table>
<thead>
<tr>
<th>TEST</th>
<th>TEST METHOD</th>
<th>CRITERIA</th>
<th>RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile Bond</td>
<td>ASTM C297/E2134 ICC ES (AC 212)*</td>
<td>Minimum 15 psi (104 kPa)</td>
<td>Dens Glass Gold 31 (215), Exterior Gypsum 28 (194), OSB 40 (277), Plywood 79 (563), Cement Board 70 (485), Copper 185 (1282), Galvanized steel 180 (1248), PVC 168 (1165), Aluminum 184 (1275), Coated Aluminum 203 (1407), Stainless Steel 183 (1269)</td>
</tr>
<tr>
<td>Freeze-thaw</td>
<td>ASTM E2485/ICC-ES Proc. ICC ES (AC 212)*</td>
<td>No deleterious effects after 10 cycles</td>
<td>Pass: Plywood, Cement Board, OSB, Exterior Gypsum (ASTM C79/C1396) and Dens Glass Gold (ASTM C1377) substrates</td>
</tr>
<tr>
<td>Water Resistance</td>
<td>ASTM D2247 ICC ES (AC 212)*</td>
<td>No deleterious effects after 14 days exposure</td>
<td>Pass: Plywood Cement Board, OSB, Exterior Gypsum (ASTM C79/C1396) and Dens Glass Gold (ASTM C1377) substrates</td>
</tr>
<tr>
<td>Water Vapor Transmission</td>
<td>ASTM E96 Proc. B ICC ES (AC 212)*</td>
<td>Vapor Permeable</td>
<td>30 perms (Rollershield); 12 perms (Trowelshield)</td>
</tr>
<tr>
<td>Water Vapor Transmission</td>
<td>ASTM E96 ICC ES (AC 212)*</td>
<td>Vapor Impermeable, Class 1 Vapor Barrier</td>
<td>0.07 perms, Method A (Rollershield-VB); 1.35 perms, Method B (Rollershield-VB)</td>
</tr>
<tr>
<td>Air Permeance</td>
<td>ASTM E2178</td>
<td>No ICC or ANSI/EIMA Criteria</td>
<td>0.00002 cfm/ft²</td>
</tr>
<tr>
<td>Air Leakage Resistance</td>
<td>ASTM E2357</td>
<td>0.02L/s.m² @ 75 Pa</td>
<td>0.003 L/s.m² @ 75 Pa; 0.02 L/s.m² @ 300 Pa</td>
</tr>
<tr>
<td>Structural Performance</td>
<td>ASTM E1233 Proc. A ICC ES (AC 212)*</td>
<td>Minimum 10 positive cycles at 1/240 deflection; No cracking in field, at joints or interface with flashing</td>
<td>Pass</td>
</tr>
<tr>
<td>Racking</td>
<td>ASTM E72 ICC ES (AC 212)*</td>
<td>No cracking in field, at joints or interface with flashing at net deflection of 3.2 mm (1/8 inch)</td>
<td>Pass</td>
</tr>
<tr>
<td>Restrained Environmental</td>
<td>ICC-ES Procedure ICC ES (AC 212)*</td>
<td>5 cycles; No cracking in field, at joints or interface with flashing</td>
<td>Pass</td>
</tr>
<tr>
<td>Water Penetration</td>
<td>ASTM E331 ICC ES (AC 212)*</td>
<td>No water penetration beyond the inner-most plane of the wall after 15 minutes at 137 Pa (2.86 psf)</td>
<td>Pass</td>
</tr>
<tr>
<td>UV Exposure</td>
<td>ICC ES Proc. ICC ES (AC 212)*</td>
<td>210 hours of exposure</td>
<td>Pass</td>
</tr>
<tr>
<td>Accelerated Aging</td>
<td>ICC ES Proc. ICC ES (AC 212)*</td>
<td>25 cycles of wetting and drying</td>
<td>Pass</td>
</tr>
<tr>
<td>Hydrostatic Pressure Test</td>
<td>AATCC 127 ICC ES (AC 212)*</td>
<td>ICC: 549 mm (21.6 in) water column for 5 hours</td>
<td>Pass</td>
</tr>
<tr>
<td>Surface Burning Characteristics</td>
<td>ASTM E84</td>
<td>Flame Spread &lt; 25 Smoke Developed &lt; 450</td>
<td>Pass</td>
</tr>
<tr>
<td>Intermediate Multi-Story Fire Test</td>
<td>NFPA 285 (UBC 26-9)</td>
<td>No flame Propagation</td>
<td>Pass</td>
</tr>
</tbody>
</table>

* (AC212 – Acceptance Criteria for Water-Resistant Coatings Used as Water-Resistant Barriers over Exterior Sheathing, also referred to as ASTM E 2570)

1. No cracking, checking, rusting, crazing, erosion, blistering, peeling, or delamination when viewed under 5x magnification
2. Defined as a Class III vapor retarder per the 2009 IBC and IRC
## One Coat Stucco

<table>
<thead>
<tr>
<th>TEST</th>
<th>TEST METHOD</th>
<th>CRITERIA</th>
<th>RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Finishes &amp; Coatings</td>
<td>Varies</td>
<td></td>
<td>Reference EIFS &amp; Coatings Data</td>
</tr>
<tr>
<td>Accelerated Weathering</td>
<td>ASTM G26/G155</td>
<td>No deleterious effects after 2000 hours</td>
<td>Pass</td>
</tr>
<tr>
<td>Freeze-Thaw</td>
<td>ICC AC11</td>
<td>No deleterious effects after 10 cycles</td>
<td>Pass</td>
</tr>
<tr>
<td>Compressive Strength</td>
<td>ASTM C109</td>
<td>Average load for cured sample</td>
<td>1910 psi</td>
</tr>
<tr>
<td>Transverse Load</td>
<td>ICC AC11/ASTM E330</td>
<td>Withstand positive and negative wind loads</td>
<td>Pass. Assemblies vary from 81-124 psf*</td>
</tr>
<tr>
<td>Fire Resistance</td>
<td>ASTM E119</td>
<td>No effect on the fire resistance of a rated</td>
<td>See Technical Bulletin MW#168-030111 for assemblies</td>
</tr>
<tr>
<td></td>
<td></td>
<td>wall assembly</td>
<td></td>
</tr>
</tbody>
</table>

* Ultimate wind loads – contact Master Wall for specific assemblies.
Building Codes

Master Wall Inc. continuously tests our products and systems to meet the most current building codes.

Code Reports - IBC

UES ER-433 - EIFS
CCRR-0215 - Cemplaster Fiberstucco
UES ER-384 - Rollershield Air/Water Barrier

Florida Dept. of Business & Professional Regulation

FL15743 (2010)
FL20103 (2014)

Miami Dade Product Control

NOA No. 12-0619.12, Expires 5/30/17
NOA No. 15-0729.20, Expires 6/16/2021
NOA No. 15-0729.21, Expires 8/4/2021

Texas Department of Insurance

EC-49

Information contained in this product data sheet conforms to the standard detail recommendations and specifications for the installation of Master Wall Inc.® products and is presented in good faith. Master Wall Inc.® assumes no liability, expressed or implied as to the architecture, engineering, or workmanship of any project. This information may be concurrent with, or superseded by other applicable documents, such as specifications and details. Contact Master Wall Inc.® for the most current product information.

masterwall.com
LEED Building Concepts

LEED (Leadership in Energy and Environmental Design) is part of the US Green Building Council's (USGBC) rating system. This voluntary consensus-based standard is designed to help develop sustainable, high performance buildings based on accepted energy and environmental principles.

**Master Wall Inc.’s Contribution**

We support LEED in several areas, most notably:

- Process blending and material blending to minimize material usage. Re-blending of products when possible.
- Sourcing of raw materials near our manufacturing facilities
- Technical development and promotion of high performance sustainable wall claddings with local sourcing within the design community.
- Our Cemplaster Fiberstucco is usually mixed with locally sourced sand further reducing shipping costs.

More Information

masterwall.com

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Master Wall, Inc.
Lithonia, GA 30058

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Materials & Resources
Depending upon where the project is located, Master Wall may be considered a regional material. Master Wall manufacturers at our Lithonia, Georgia facility in the East, our Sealy, Texas plant in the South and Master Wall West, Inc. out of Payson, Utah.

Master Wall LEED Credits & Strategies
Master Wall materials may be suitable for the following credits:

- Site Selection (SS) Credit 1: Master Wall systems are well suited for previously developed sites.
- Site Selection (SS) Credit 2: Master Wall materials can be used for renovation.
- Site Selection (SS) Credit 3: Brownfield Site Redevelopment.
- Energy & Atmosphere (EA) Credit 1: Master Wall Insulation Board can be used to help gain up to 10 points.
- Energy & Atmosphere (EA) Credit 2: Well insulated buildings help lower the cost and sizing of on-site renewal energy.
- Materials & Resources (MR) Credit 1.1 and 1.2: Existing walls can be creatively covered with Master Wall products for the building reuse credit.
- Materials & Resources (MR) Credit 2: Master Wall materials have limited construction waste with most products being delivered in pails or bags. Waste insulation is lightweight and can be recycled.
- Materials & Resources (MR) Credit 4: While Master Wall products do not contain any recycled content, the primary component is sand and aggregate, which are readily available materials.
- Materials & Resources (MR) Credit 5: See map on previous page. Some materials such as Portland cement, insulation board and sand aggregate are usually sourced locally as well.
- Indoor Environmental Quality (EQ) Credit 4.1 & 4.2: If used on interiors, Master Wall products offer low VOC (< 1% typically). See our MSDS sheets for specifics.
- Indoor Environmental Quality (EQ) Credit 7.1: Master Wall Systems can be designed to help with thermal comfort. Our EIFS and Drainage EIFS systems help maintain more consistent wall temperatures.

Other Green Benefits
- Rollershield roll-applied water barrier also helps as part of a moisture strategy and an air barrier to help reduce air infiltration.
- Rollershield EIFS could be used as part of a total energy package to achieve a third of the LEED Basic certification and one quarter of the LEED Silver certification.
- Master Wall insulation board is efficient to produce, is recyclable, and saves energy.
- Master Wall products don’t significantly impact the waste stream as nearly 100% of the materials can be used; pails and bags could be recycled.
- Our finishes can be applied over locally sourced stucco, providing high aesthetic value with low ecological impact.