



Spraying Superior Finishes



Master Wall Inc.®
PO Box 397
Fortson, GA 31808
706-569-0092
800-755-0825
www.masterwall.com

Master Wall Guide Specification for Spraying Superior Finishes

PART I – GENERAL

1.01 SUMMARY

- A. This document is to be used for spraying Superior Finishes over approved substrates.

1.02 QUALITY ASSURANCE

A. Mock-Up

1. The contractor shall, before the project commences, provide the owner/architect with a mock-up for approval.
2. The mock-up shall be of suitable size as required to accurately represent the products being installed, as well as each color and texture to be utilized on the project.
3. The mock-up shall be prepared with the same products, tools, equipment, and techniques required for the actual application. The finish used shall be from the same batch that is being used on the project.
4. The approved mock-up shall be available and maintained at the job site.
5. For panelized construction, the mock-up shall be available and maintained at the panel fabrication location.

1.03 DELIVERY, STORAGE AND HANDLING

- A. All Master Wall Inc.® materials shall be delivered to the job site in the original, unopened packages with labels intact.
- B. Upon arrival, materials shall be inspected for physical damage, freezing, or overheating. Questionable materials shall not be used.
- C. Deliver all materials in original unopened packages with labels intact. Verify all quantities, colors, and textures against bill of lading.
- D. Store all materials protected from direct exposure to weather conditions and at temperatures not less than 40°F (4°C) or greater than 110°F (43°C).
- E. Stack insulation board flat, fully supported off the ground and protected from direct exposure to the sun.
- F. Material Safety Data Sheets (MSDS) or Safety Data Sheets (SDS) shall be supplied for the components of the EIFS and be available at the job site.

1.04 PROJECT CONDITIONS

- A. Ambient air temperatures shall be 40°F (4°C) or greater and rising at the time of installation of the Master Wall Inc.® products and shall remain at 40°F (4°C) or greater for at least 24 hours after application.
- B. Provide supplemental heat and protection as required when the temperature and conditions are not in accordance with installation requirements. Sufficient ventilation and time shall be provided to ensure that materials have sufficiently dried prior to removing supplemental heat.
- C. Adequate protection shall be provided to prevent weather conditions (humidity, temperature, and precipitation) from having an affect on the curing or drying time of Master Wall Inc.® materials.
- D. Adjacent materials and the Rollershield Drainage System shall be protected during installation and while curing from weather and shall be protected from site damage.
- E. Coordinate installation of the Rollershield Drainage System with related work specified in other sections to ensure that the wall assembly is protected to prevent water from getting behind the system. The cap flashing



Spraying Superior Finishes

shall be installed as soon as possible after the finish coat has been applied. When this is not possible, temporary protection shall be provided immediately in this area.

- F. All sealant work shall be installed in a timely manner. Protect open joints from water intrusion during construction with backer rod, or temporary covering, until permanently sealed.
- G. Sufficient manpower and equipment shall be employed to ensure a continuous operation, free of cold joints, scaffolding lines, and texture variations, etc.
- H. Existing Conditions - The contractor shall have access to electric power, clean water, and a clean work area at the location where the Master Wall Inc.® materials are to be applied.

1.05 SEQUENCING AND SCHEDULING

- A. Installation of the finish application shall be coordinated with other construction trades.
- B. Sufficient manpower and equipment shall be employed to ensure a continuous operation, free of cold joints, scaffold lines, texture variations, etc.

PART II – PRODUCTS

2.01 MANUFACTURER

- A. All components of the Rollershield Drainage CIFS® System shall be supplied or obtained from Master Wall Inc.® or its authorized distributors. Substitutions or additions of materials other than specified will void the warranty.

2.02 MATERIALS

- A. Primer
 - 1. Primecoat Primer - Acrylic-based tintable primer
 - 2. Sanded Primecoat Primer - Acrylic-based tintable primer with sand
- B. Superior Finishes: Master Wall Inc.® Superior Finishes are acrylic-based wall coatings available in a variety of colors and textures. The following textures are available:
 - 1. Fine Sand 1.0 – sand type texture
 - 2. Medium Sand 1.5 – coarse sand texture
 - 3. Versatex 0.5 – Fine texture used to create numerous finishes

PART III – EXECUTION

3.01 EXAMINATION

- A. Prior to installation of the Rollershield Drainage System, the contractor shall verify that the substrate:
 - 1. Is approved by Master Wall Inc.®.
 - 2. Is flat within 6.4 mm (1/4 in) in a 3 m (10 ft) radius.
 - 3. Is sound, dry, connections are tight, has no surface voids, projections or other conditions that may interfere with the finish application or performance.
- B. Prior to the application of Superior Finishes, the architect or general contractor shall insure that all needed spray protection materials, flashings, and other waterproofing details have been completed, if such completion is required prior to the Rollershield Drainage CIFS® application.

3.02 PREPARATION

- A. Finish materials shall be protected by permanent or temporary means from inclement weather and other sources of damage prior to, during, and following application until completely dry.
- B. Protect adjoining work and property during the application from overspray.
- C. The substrate shall be prepared as to be free of foreign materials, such as, oil, dust, dirt, form release agents, efflorescence, paint, wax, water repellents, moisture, frost and any other condition that inhibit adhesion.

3.03 FIELD QUALITY CONTROL

- A. The contractor shall be responsible for the proper application of the Superior Finish materials.
- B. Master Wall Inc.® assumes no responsibility for on-site inspections or application of its products.
- C. If required, the contractor shall certify in writing the quality of work performed relative to the substrate system, details, installation procedures, workmanship and as to the specific products used.



Spraying Superior Finishes

3.04 SUPERIOR FINISH SPRAY APPLICATION OVER APPROVED SUBSTRATES

A. Mixing

1. Mix the products following the instructions on the product data sheets.
2. Additives shall not be added to Master Wall Inc.® materials unless written approval has been received from Master Wall Inc.®

B. Preparation

1. Protect contiguous work from damage during application of the Superior Finishes. Temporary covering may be required to prevent over spray or splattering of exterior finish coatings on other work.
2. Protect substrate from inclement weather during installation. Prevent infiltration of moisture behind the system that may affect the substrate or the attachment of the insulation board to the substrate.
3. Finishes shall not be installed when ambient air temperature is below 40°F (4°C). The temperature shall remain at or above 40°F (4°C) during mixing, application and until materials have dried.
4. Sufficient scaffolding, manpower and tools shall be provided to prevent cold joints.
5. Flashings, water barriers and drainage spacers (if used) shall be installed as required by construction documents and Master Wall Inc.® details in a manner to prevent the intrusion of water behind the insulation board and wall system. All flashing materials should direct the water to the exterior face of the finished system.

C. Primecoat Application

1. Apply Primecoat by brush, roller, or airless spray equipment. When using a roller, a maximum ¾" (19 mm) nap is recommended. Apply Primecoat in an even, continuous coat of about 3 mils, maintaining a wet edge.
2. Airless Spray Application: Pressure 2000 p.s.i., Tip .015– to .019 inch. Spray in a consistent manner or backroll after spraying for a consistent application to the base coat using spray, brush, or roller to a consistent color.
3. Allow to dry.

D. Superior Finish Coat Application

1. Using a conventional plaster hopper gun or a proven pump, spray finish over the primed base coat to achieve desired texture using a circular overlapping pattern keeping the spray gun at a 90° angle to the surface and always maintaining the same distance to the wall.
2. Size orifice for at least 2x the aggregate dimension.
3. Be cautious of flooding an area with too much finish because it may appear shinier when it dries.
4. Hopper Gun recommended starting point, Orifice Size: 3/16" (4-5 mm), Air Compressor rated 6.5 or greater CFM @90-100 PSI. Must deliver continuous regulated pressure of at least 60 PSI through a 3/8" hose.
5. Commercial Sprayer recommended starting point, Graco® RTX 1500, Graco® GTX 2000 or similar equipment using a 3/16" spray tip orifice.
6. Consistency of pressure and volume to the gun is critical so make sure the compressor is sized to handle longer hose runs, fewer starts/stops and multiple spray guns.

3.05 JOB SITE CLEANUP

- A. Clean work area in accordance with contract documents removing all excess materials, droppings, and debris. Clean adjacent surfaces.
- B. Other trades may now install their work – Sheet Metal (Section 07620), Sealants (Section 07900), Mechanical (Section 15000), Electrical (Section 16000).

3.06 PROTECTION

- A. Protect finishes from inclement weather and other sources of damage until dry and permanent protection in the form of flashings, sealants, etc. are installed.

Disclaimer

This Specification is published for general informational purposes only and is not intended to imply that these are the only materials, procedures, or methods, which are available or suitable. Materials, procedures, or methods may vary according to the circumstances, local building code requirements, design conditions, or statutory and regulatory requirements. While the information in this specification is believed to be accurate and reliable, it is presented without guarantee or responsibility on the part of Master Wall Inc.®