



## OCS Warranty Program Section 09 25 13



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### **Master Wall Guide Specification OCS One Coat Stucco Warranty Program**

*Specifiers note: This specification outlines the application of Master Wall® coating products over approved One Coat Stucco (OCS) assemblies with limited warranty terms ranging from 5 to 12 years, plus an additional year if elastomeric finishes are used. Edit as needed for your specific project or contact Master Wall Inc.® for your project needs.*

#### **PART I – GENERAL**

##### **1.01 SUMMARY**

- A. This document is to be used in preparing specifications for projects utilizing the Master Wall Inc.® OCS Warranty Program products over an approved One Coat Stucco (OCS) substrate.  
Related Master Wall Inc.® documents:
  - 1. Master Wall Inc.® OCS Warranty Program System Data Sheet
  - 2. Master Wall Inc.® Product Data Sheet Application Instructions
- B. Related Sections
  - 1. One Coat Stucco – Section 09 24 23

##### **1.02 SUBMITTALS**

- A. Manufacturer's specifications, details, installation instructions and product data
- B. Manufacturer's standard warranty
- C. Applicator's industry training credentials
- D. Samples for approval as directed by architect or owner

##### **1.03 REFERENCES**

- A. ASTM Standards:
  - C926 Standard Specification for Application of Portland Cement-Based Plaster
  - C1063 Standard Specification for Installation of Lathing and Furring for Portland Cement Plaster
- B. Other Referenced Documents
  - ICC ES (International Code Council Evaluation Service)
  - AC 11 Acceptance Criteria for Cementitious Exterior Wall Coatings or equivalent.
- C. Other Referenced Documents
  - Evaluation Report for OCS



## OCS Warranty Program Section 09 25 13

### 1.04 SYSTEM DESCRIPTION

- A. Structural
  - 1. Design for maximum allowable system deflection, normal to the plane of the wall, of L/360.
  - 2. Design for wind load in conformance with code requirements. Also consult applicable code compliance report.
- B. Grade Condition
  - 1. Keep OCS Warranty Program coatings a minimum of 6" (152 mm) above grade in framed construction.

### 1.05 PERFORMANCE REQUIREMENTS

- A. OCS Warranty Program System products shall have been tested as follows:

TEST	TEST METHOD	CRITERIA	RESULTS
<b>Abrasion Resistance</b>	ASTM D968	No deleterious effects after 500 liters (528 quarts)	Pass
<b>Accelerated Weathering</b>	ASTM G155 Cycle 1	No deleterious effects after 2000 hours	Pass
<b>Accelerated Weathering</b>	ASTM G23 (G152 & 153)		Pass
<b>Accelerated Weathering</b>	ASTM G53	No deleterious effects after 2000 hours (QUV)	Pass
<b>Freeze-Thaw</b>	ASTM E2485 (formerly EIMA 101.01)	No deleterious effects after 60 cycles	Pass
<b>Freeze-Thaw</b>	ASTM C67 modified/ICBO AC24	No deleterious effects after 10 cycles	Pass
<b>Freeze-Thaw</b>	ASTM E2485/ICC-ES Proc. ICC ES (AC 235)***	No deleterious effects after 10 cycles	Pass
<b>Mildew Resistance</b>	ASTM D3273	No growth during 28 day exposure period	Pass
<b>Water Resistance</b>	ASTM D2247	No deleterious effects after 14 days exposure	Pass
<b>Salt Spray Resistance</b>	ASTM B 117	No deleterious effects after 300 hours exposure	Pass
<b>Water Vapor Transmission</b>	ASTM E 96 Water Method	Vapor permeable perm (ng/Pa.s.m <sup>2</sup> )	Base Coat 12 (679) Finish 12 (674)

### 1.06 QUALITY ASSURANCE

- A. Qualifications
  - 1. Coatings Manufacturer: Shall be Master Wall Inc.®. All materials shall be manufactured or sold by Master Wall Inc.® and shall be purchased from Master Wall Inc.® or its authorized distributors.
  - 2. Contractor: Shall be knowledgeable in the proper installation of the Master Wall Inc.® coatings and shall be experienced and competent in the installation of stucco. Additionally, the contractor shall possess a current Master Wall Inc.® applicator certificate issued by Master Wall Inc.®.



## OCS Warranty Program Section 09 25 13

### 1.07 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. Material Safety Data Sheets (MSDS) or Safety Data Sheets (SDS) shall be supplied for the components of the system and be available at the job site.

### 1.08 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 OCS Warranty Program System shall be protected during installation and while curing from weather and shall be protected from site damage.
- E. Coordinate installation of the OCS Warranty Program 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 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.

### 1.09 SEQUENCING AND SCHEDULING

- A. Installation of the OCS Warranty Program System 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.

### 1.10 APPROVED OCS SUBSTRATES

- A. Approved One Coat Stucco and Stucco manufacturers are approved for the OCS Warranty program:
  - 1. Amerimix: AMX 755 FBCC Fiber Base Coat Concentrate Stucco, AMX 750 FBC Fiber Base Coat Stucco, AMX 740 PREMIUM, AMX 715 PP Premium Plus Stucco, AMX 730 SB Scratch & Brown Stucco, AMX 700 SBF Scratch, Brown & Finish Stucco, AMX 710 WMMR Water, Mold & Mildew Resistant Stucco.
  - 2. Ashgrove Packaging: 1-kote Premix Stucco, 1-kote Stucco Concentrate.
  - 3. EZ Wall Concentrate: EZ Concentrate One Coat Stucco, EZ Scratch & Brown w/ Fiber Stucco.
  - 4. Quikrete®: One Coat Fiberglass Reinforced Stucco (FRS) (No. 1200 Sanded, No. 1216-Concentrated), Base Coat Stucco Scratch & Brown (No. 1139) & Base Coat Stucco - Pump Grade (No. 1139-86), Base Coat Stucco with Water-Stop (No. 1139-89), Base Coat Stucco - Pump Grade (No. 1139-86).
  - 5. Sacramento Stucco Co., Inc.: Western 1-Kote Gray Concentrate, Western 1-Kote Gray Premium Concentrate, Western 1-Kote Premium Sanded Gray, Western 1-Kote Sanded Gray, Top Gun Premium Plaster, Top Gun Premium Sanded Plaster, Insulite Lightweight Stucco.
  - 6. SpecMix®: Fiber Base Coat Stucco, Scratch & Brown Fiber Reinforced Stucco, Scratch & Brown Stucco.
  - 7. StarRcoat LLC: StarR One Coat, Atlas Tuff-Kote™.



## OCS Warranty Program Section 09 25 13

### 1.11 LIMITED MATERIALS WARRANTY

- A. Provide a manufacturer's warranty against defective material upon request.

### 1.12 MAINTENANCE

- A. Maintenance and repair shall follow the procedures noted in Master Wall Inc.® Technical Bulletins #112 and #129.

## **PART II – PRODUCTS**

### 2.01 MANUFACTURER

- A. All components of the OCS Warranty Program 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 OCS WARRANTY PROGRAM SYSTEM <edit>

- A. OCS5: Superior Finishes or specialty finishes over OCS (5-year limited warranty).
- B. OCS7: Superior Finishes or specialty finishes with Primecoat Primer over OCS (7-year limited warranty).
- C. OCS10: Superior Finishes or specialty finishes with Primecoat Primer. leveling Base Coat with Bulltec Mesh over OCS (10-year limited warranty).
- D. OCS12: Superior Finishes or specialty finishes with Primecoat Primer. leveling Base Coat of WeatherStop or Guardian with Bulltec Mesh over OCS (12-year limited warranty).
- E. Superior Elastomeric Plus Warranty Extension: Add one year to above warranties if Superior Elastomeric Plus is used.

### 2.03 LEVELING REINFORCED BASE COATS <edit>

- A. OCS5, OCS7 No leveling base coat used.
- B. OCS10 Reinforced leveling base coat of Master Wall® F&M, F&M Plus, MBB, MBB Plus embedded in Bulltec Reinforcing Mesh.
- C. OCS12 Reinforced leveling base coat of Master Wall® WeatherStop or Guardian embedded in Bulltec Reinforcing Mesh.

### 2.04 PRIMER <edit>

- A. OCS05 No primer used.
- B. OCS7, OCS10, OCS12 Master Wall® Primecoat or Sanded Primecoat: acrylic-based tinted primer.

### 2.05 FINISH COAT <edit>

- A. 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. Perfect2.0 - riled texture
  - 2. Fine Sand 1.0 – sand type texture
  - 3. Medium Sand 1.5 – coarse sand texture
  - 5. Versatex 0.5 – Fine texture used to create numerous finishes
- B. Superior Elastomeric Plus Finish: Master Wall Inc.® Superior Finishes using elastomeric polymers to bridge minor cracking. The following textures are available:
  - 1. Perfect2.0 - riled texture
  - 2. Fine Sand 1.0 – sand type texture
  - 3. Medium Sand 1.5 – coarse sand texture
  - 5. Versatex 0.5 – Fine texture used to create numerous finishes
- C. Finish Enhancements
  - 1. Silicone Coat - Factory added silicone enhancement for better water resistance and to keep buildings cleaner.
  - 2. Excel Mildew Enhancement - Factory added mildew booster exceeding ASTM D3273 requirements.
- D. Specialty Finishes
  - 1. Aggestone



## OCS Warranty Program Section 09 25 13

2. Aggrelime
3. Lumia
4. Metallic Cote
5. Plasterflex
6. Savannah
7. Superior Stone
8. Travertine
9. Brick Finish System

### 2.06 JOB MIXED INGREDIENTS

- A. Water: Clear, clean and potable without any foreign matter in the solution that may affect the color and setting qualities of the cement, adhesive, base or finish coat.
- B. Cement: Type I or I-II Portland cement meeting ASTM C150.

### 2.07 MIXING

- A. Mix products in accordance with manufacturer's recommendations.

## **PART III – EXECUTION**

### 3.01 INSPECTION

- A. Prior to the application of Master Wall Inc.® OCS Warranty Program products, the One Coat Stucco (OCS) shall be clean, dried and cured to receive the coatings. The OCS shall have no planar irregularities greater than 1/4" in 10' (6.4 mm in 3.05 m). The General Contractor and Architect shall be advised in writing of any discrepancies. Work shall not proceed until unsatisfactory conditions are corrected.

### 3.02 PREPARATION

- A. Protect contiguous work from damage during application of the OCS Warranty Program products. Temporary covering may be required to prevent over spray or splattering of exterior finish coatings on other work.
- B. Protect substrate from inclement weather during installation. Prevent infiltration of moisture behind the system that may affect the substrate.
- C. OCS Warranty Program products shall not be installed when ambient air temperature is below 40°F (5°C). The temperature shall remain at or above 40°F (5°C) during mixing, application and until materials have cured.
- D. Sufficient scaffolding, manpower and tools shall be provided to prevent cold joints.
- E. The OCS shall be clean and dry.

### 3.03 INSTALLATION, GENERAL

- A. Comply with the manufacturers' current published instructions, (specifications, details, data sheets and technical bulletins) for the installation of the OCS Warranty Program products.
- B. Mix materials in accordance with Master Wall® literature.
- C. Comply with local building codes.

### 3.04 REINFORCED LEVELING BASE COAT APPLICATION (OCS 10 & OCS 12)

- A. Ensure that the surface of the OCS is cured, clean, dry, and free of efflorescence, oil or other contaminants that would impair adhesion.
- B. Mix Leveling Base Coat materials in accordance with Master Wall Inc.® recommendations.
- C. Apply the base coat to the entire surface of the OCS approximately 3/32" (2.4 mm) thick. Immediately embed Master Wall Inc.® Bulltec reinforcing mesh into wet base coat with a trowel, working from the center toward the edges, until the mesh is fully covered and a smooth surface is achieved. The color of the mesh shall not be visible but a slight mesh pattern may be visible. Lap mesh 2 1/2" (64 mm) minimum on all sides. Reinforcing Mesh shall be continuous through all interior and exterior corners extending beyond the corner a minimum of 12" (30 cm) from both directions creating a minimum of two layers of reinforcement on all interior and exterior corners.
- D. Allow to dry a minimum of 12 hours at room temperature before finishing.



## OCS Warranty Program Section 09 25 13

### 3.05 PRIMER APPLICATION (OCS 7, OCS 10 & OCS 12)

- A. Apply Primecoat or Sanded Primecoat: Apply evenly according to the data sheet using brush, roller or proper spray equipment over the clean, dry OCS or base coated surface and allow to dry thoroughly before applying finish.

### 3.06 FINISH APPLICATION

- A. Surface irregularities in the base coat, such as trowel marks and reinforcing mesh laps shall be corrected prior to the finish application.
- B. Apply the Master Wall Inc.® Superior Finish in the color and texture as approved by the project owner or the project architect with sufficient manpower and equipment to insure a continuous operation without cold joints, scaffolding lines etc. Texture finish shall match approved jobsite samples. Thickness and coverage will vary depending on the specified final appearance.
- C. Trowel Application – (Perfect 2.0, Fine Sand 1.0, Medium Sand 1.5, Versatex 0.5)
  - 1. Apply the Superior Finish to the clean, dry and cured base coat with a stainless steel trowel.
  - 2. Level the surface to a uniform thickness of 3/32” to 1/8” (2.4-3.2 mm).
  - 3. Float the finish with a plastic float in a uniform motion to achieve the desired texture. (Versatex 0.5 cannot be floated easily. A second application of the Versatex 0.5 may be applied to create the desired texture.)
- D. Spray Application – (Perfect 2.0, Fine Sand 1.0, Medium Sand 1.5, Versatex 0.5)
  - 1. Prime surface with Master Wall Inc.® Primecoat or Sanded Primecoat tinted to match the selected finish color. Allow Primecoat or Roller-Flex to cure a minimum of 12 hours prior to finish coat application.
  - 2. 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 maintaining the same distance to the wall at all times.
  - 3. Be cautious of flooding an area with too much finish because it may appear shinier when it dries.
- E. Specialty Finishes: Follow individual product data sheet application instructions.

### 3.07 JOB SITE CLEANUP

- A. Clean work area in accordance with contract documents removing all excess materials, droppings and debris. Clean adjacent surfaces.

### 3.08 PROTECTION

- A. OCS Warranty Program System shall be protected 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 particular 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.®