

## **Application Instructions**

### **3.01 INSPECTION**

- A. Prior to the application of the Master Wall® ReCote™ Finish System the substrate shall be examined for compliance with the contract documents and Master Wall Inc.® specifications. The substrate shall have no planar irregularities greater than ¼" 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 MIXING**

- A. F&M and F&M Plus: Mix the F&M/F&M Plus at a weight ratio of 1 to 1 with Portland Type I or I/II, white or grey cement. Mix using a ½", 400-500 RPM drill motor and Wind-lock B-MTW Mixer or equivalent. . Let stand for 3-5 minutes and remix until the desired consistency is achieved. Small amounts of clean water can be added for workability. Do not over mix.
- B. Master Wall® Bagged Base Coat (MBB) and MBB Plus: Add 5 to 6 quarts of water with the 50-lb. bag in a clean bucket for mixing. Mix the MBB/MBB Plus with a Wind-lock B-MTW Mixer or equivalent using a ½", 400-500 RPM drill motor. Let stand for 3-5 minutes and remix until the desired consistency is achieved. Small amounts of clean water can be added for workability. Do not over mix.
- C. Guardian: Mix Guardian at a weight ratio of 1 to 1 with Portland Type I or I/II, white or grey cement. Mix using a ½", 400-500 RPM drill motor and Wind-lock B-MTW Mixer or equivalent. . Let stand for 3-5 minutes and remix until the desired consistency is achieved. Small amounts of clean water can be added for workability. Do not over mix.
- D. Primecoat Primer: Mix the finish coat with a Wind-lock B-MTW using a ½", 400-500 RPM drill motor. Small amounts of water can be added for workability. Mix until reaching a uniform consistency. (It is important that the same amount of water be added to each pail to ensure a consistent color.)
- E. ReCote™ is pre-mixed in the pail, but minor separation may occur during shipping and storage. Prior to application, mix the material thoroughly 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 adverse conditions.
- F. Additives shall not be added to Master Wall Inc.® materials unless written approval has been received from Master Wall Inc.®

### **3.03 PREPARATION**

- A. Protect contiguous work from damage during application of the Master Wall® ReCote™ Finish System. Temporary covering may be required to prevent over spray or splattering of coatings on other work.

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- B. Protect substrate from inclement weather during installation. Prevent infiltration of moisture behind the system that may affect the substrate.
- C. Base Coats and 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 cured.
- D. Sufficient scaffolding, manpower and tools shall be provided to prevent cold joints.
- E. Flashings shall be installed as required by construction documents and in a manner to prevent the intrusion of water behind the ReCote™ Finish System. All flashing materials should direct the water to the exterior face of the ReCote™ Finish System.

**3.04 INSTALLATION, GENERAL**

- A. Comply with the manufacturers' current published instructions, (specifications, data sheets and technical bulletins) for the installation of the Master Wall® ReCote™ Finish System.
- B. Comply with local building codes.

**3.05 SUBSTRATE PREPARATION**

- A. Inspect substrate to ensure the installation meets the requirements set forth in the substrate manufacturer's installation instructions, Master Wall Inc.® specification, data sheets, technical bulletins and the construction documents. Make necessary repairs to ensure the installation meets the requirements prior to commencement of the base coat application.
- B. Make sure that the substrate is clean and free of form release agents and efflorescence.
- C. Grind down any high spots with appropriate equipment.

**3.06 BASE COAT APPLICATION**

- A. As a patching material, trowel wet base coat into concrete voids and level. Feather base coat onto the concrete surface.
- B. As an optional leveling base coat, apply the base coat to the entire surface of the substrate to the thickness required to level the wall surface and if a reinforcing mesh is specified make sure the thickness is a minimum nominal 1/16" (1.6 mm).
- C. If reinforcing mesh is specified, immediately embed Master Wall Inc.® 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.
- D. Lap mesh 2 1/2" (64 mm) minimum on all sides.
- E. Allow the base coat to cure a minimum of 12 hours prior to additional base coat or finish coat applications.

**3.07 PRIMER APPLICATION**

- A. Primecoat can be applied by brush, roller, or airless spray equipment. When using a roller, a maximum 3/4" (19 mm) nap is recommended. Apply Primecoat in an even, continuous coat of about 3 mils, maintaining a wet edge.

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**3.08 ReCote™ FINISH APPLICATION**

- A. Spray Application - Using a hopper gun and air compressor or combined 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 a 3/16" (5 mm) spray tip orifice and a continuous regulated pressure of at least 60 psi to produce a consistent, fine spray. Always keep the spray gun pointed perpendicular to the wall and move at a 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 moving on to the next section.

<b>Equipment</b>	<b>Recommended Settings</b>
<b>Hopper Gun</b>	Orifice Size 3/16" (4-5 mm)
<b>Air Compressor</b>	Rated 6.5 or greater CFM @90-100 PSI. Must deliver continuous regulated pressure of at least 60 PSI through a 3/8" hose. 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.
<b>Commercial Texture Sprayer</b>	Graco® RTX 1500, Graco® GTX 2000, Graco® 1030 FC or similar equipment using a 3/16" spray tip orifice.

- B. 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 spraying, will result in a slightly different finish and may reduce coverage. Heavy brush or roller marks can be minimized by re-brushing with a soft bristle brush using light pressure. A 3/4" (19 mm) nap roller is recommended.
- C. Application Precautions - ReCote™ should not be applied when the substrate has 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.
- D. Provide protection from rain and temperatures below 40°F (4°C) for a minimum of 24 hours after application. Longer protection may be necessary during lower temperatures and/or higher humidity conditions.

**3.09 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).