



Application Instructions

3.01 INSPECTION

- A. Prior to the application of the Master Wall Soffit System the substrate/sheathing 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'. 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 Plus: Mix 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. Foam & Mesh (F&M) Adhesive: Mix F&M 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.
- C. Master Wall Bagged Base Coat (MBB): Add 5 to 6 quarts of water with the 50-lb. bag in a clean bucket for mixing. Mix the MBB 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.
- D. 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.
- E. Superior Finishes: 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.)
- F. Additives shall not be added to Master Wall Inc.'s 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 Soffit System. Temporary covering may be required to prevent over spray or splattering of 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. Base Coats and Finishes shall not be installed when ambient air temperature is below 40°F (5°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. Verify that the substrate is properly secured per sheathing manufacturers instructions and flat to within ¼" in 10'-0" (6.4 mm in 3.05 m) .
- F. Flashings shall be installed as required by construction documents and Master Wall Inc.'s details in a manner to prevent the intrusion of water behind the sheathing.

3.04 INSTALLATION, GENERAL

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

3.05 INSTALLATION OF SOFFIT SYSTEM TRACK/CASING

- A. Soffit System track must be installed at all terminations of the system and may need to be coordinated with the sheathing installation. Alternatively, the substrate may be sealed with reinforcing mesh and base coat for gypsum substrates or base coat for cement board substrates.
 1. Strike a level line on the framing to correspond with the top of the nailing flange of Soffit System track.
 2. Fasten Soffit System track with corrosion resistant fasteners of sufficient length to penetrate the wood studs at least 1" (25 mm), and the steel studs 3/8" (9.5 mm). Fasten at 6" (152 mm) on center.
 3. Butt ends of the starter track. Miter inside and outside corners. Seal ends where required.

3.06 CONTROL JOINTS

- A. Mechanically attach the control joints in accordance with construction documents, the recommendations of the manufacturer of the control joint, and Master Wall Inc.'s specifications and details.
- B. Fasten control joint with corrosion resistant fasteners of sufficient length to penetrate the wood studs at least 1" (25 mm), and the steel studs 3/8" (9.5 mm). Fasten at 6" (152 mm) on center.



3.07 BASE COAT PREPARATION

- A. Inspect sheathing board to ensure the installation meets the requirements set forth in the sheathing manufacturer's installation instructions, Master Wall Inc.'s specification, details, 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. Install minimum 9 " x 12" (229x305 mm) diagonal reinforcement at all penetration corners. Apply field mesh as soon as possible after diagonal mesh application.

3.08 BASE COAT APPLICATION

- A. Apply the base coat to the entire surface of the sheathing board to the thickness required for the specified reinforcing mesh to be applied in a given area.
 - 1. Standard and Detail Mesh requires a nominal 1/16" (1.6 mm).
- B. 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.
- C. Lap mesh 2 ½" (64 mm) minimum on all sides.
- D. A minimum of standard reinforcing mesh shall be installed on the entire surface to assure an acceptable flat finished appearance. Meshing board joints only may result in an unacceptable finished appearance under varied angles of lighting.
- E. Reinforcing Mesh shall be continuous through all interior and exterior corners extending beyond the corner a minimum of 12" from both directions creating a minimum of two layers of standard reinforcing mesh on all interior and exterior corners.
- F. Reinforced base coat shall be installed over perforated accessory flanges (i.e. casing beads and corner beads).
- G. Standard reinforcing mesh can be applied in a single layer.
- H. Insulation Board shapes applied over the Soffit System shall have reinforcing mesh embedded into the base coat.
- I. Primer or sealer shall not be substituted for base coat.
- J. Allow the base coat to cure a minimum of 12 hours prior to additional base coat or finish coat applications.



3.09 SUPERIOR FINISH COAT APPLICATION

- A. Surface irregularities in the base coat, such as trowel marks, sheathing board lines 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, Spray, R-Coarse, Desert Sand, Refinish)
 - 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. (Refinish cannot be floated. A second application of the Refinish shall be applied to create the desired texture.)
- D. Spray Application – (Perfect, Spray, R-Coarse, Desert Sand, Refinish)
 - 1) Prime surface with Master Wall Inc. Primecoat tinted to match the selected finish color. Allow Primecoat 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. Superior Stone or Aggrestone Finish
 - 1) Prime surface with Master Wall Inc. Primecoat or Roller-flex tinted to match the predominate color of stone in the selected finish color. Allow Roller-Flex to cure a minimum of 12 hours prior to finish coat application.
 - 2) Aggre-flex Superior Stone Finish should be applied in two coats. The first coat can be trowel or spray applied.
 - a) Trowel application - Apply the Aggre-flex Superior Stone or Aggrestone 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.
 - b) 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 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 90° angle to the surface and maintaining the same distance to the wall at all times. The first coat shall dry a minimum of one hour prior to the application of the second coat. Be cautious of flooding an area with too much finish because it may appear shinier when it dries.



Soffit System



Master Wall Inc.
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- F. 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.

3.11 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).