

# Application of Metallic Surfacing System Guidelines

## DESCRIPTION

Master Builders Solutions Metallic Surfacing System provide economical alternatives to achieve the appearance of architectural metal panels. Applied over EIFS, Cement-Board Stucco or as an interior veneer over wall board, the Master Builders Solutions Metallic Surfacing System impart a distinctive, pearlescent appearance. Integrated system components include reinforced base coats treated with Master Builders Solutions Sandable Skim Coat to minimize planar variations, Master Builders Solutions Metallic Undercoat and 100% acrylic Master Builders Solutions Metallic Color Coat that give an appearance very similar to metal panels. Final appearance depends on the system selected. The coatings are available in fifteen standard colors and optional special colors.

**Note: Not for horizontal flat surfaces.**

## PRODUCTS

Master Builders Solutions Sandable Skim Coat, Master Builders Solutions Metallic Undercoat and Master Builders Solutions Metallic Color Coat.

## TECHNICAL SUPPORT

Consult Master Builders Solutions Technical Services Department at +1 (800) 589-1336 for specific recommendations concerning all other applications. Consult the Wall Systems website at [finestone.master-builders-solutions.com/en](http://finestone.master-builders-solutions.com/en), for additional information about products and systems and for updated literature.

## MIXING AND APPLICATION INSTRUCTIONS MASTER BUILDERS SOLUTIONS SANDABLE SKIM COAT

### MIXING:

1. Open the pail and mix the contents of the Master Builders Solutions Sandable Skim Coat pail with a low speed drill and paddle mixer until thoroughly blended.
2. Scrape the sides of the pail down with a trowel and wipe the sides with water. This technique helps to eliminate lumps from falling into the product while using the product and while in storage.
3. Close the container tight when not in use.
4. Clean tools with water immediately after use.

## APPLICATION:

**NOTE: Ensure the structure is fully dried in with all parapet sealants and or cap flashing and perimeter sealant present prior to the installation of the Master Builders Solutions Metallic Surfacing System. Presence of moisture within the cavity or on the surface of the system prior to the application of the Master Builders Solutions Metallic Surfacing System products may result in blistering.**

1. If applying this system over previously base coated material, ensure that the Master Builders Solutions Base Coat application is extremely smooth, with no mesh pattern showing. This most likely will require two coats of base coat. Correct any surface imperfections with base coat, do not rely on the Master Builders Solutions Sandable Skim Coat to correct imperfection.
2. Use the Master Builders Solutions Sandable Skim Coat product directly from the pail. It is white in color and is close in consistency to sheet rock joint compound.
3. Apply a thin, tight coat of Master Builders Solutions Sandable Skim Coat to base coat using a stainless steel trowel as free of trowel lines as possible. Venitian stainless steel trowel work exceptionally well for this application. Do not attempt to build up the Master Builders Solutions Sandable Skim Coat. Always work to achieve a flat (smooth) surface. Allow the surface to dry completely prior to sanding.
4. Work Master Builders Solutions Sandable Skim Coat to corners, joints or other natural breaks and do not allow material to set up within an uninterrupted wall area. Allow the surface to set until it is completely dry prior to application of optional additional coats.
5. The Master Builders Solutions Sandable Skim Coat can be sanded much easier before it completely cures. Feel the surface with a bare hand, if the surface feels cool to the touch, proceed with sanding. Sanding should occur while the when the Master Builders Solutions Sandable Skim Coat is dry but prior to a full cure/set. If it isn't dry, it will ball up under the sand paper.
6. Sand the surface of the first coat of Master Builders Solutions Sandable Skim Coat by hand, using #80 - #100 drywall sand paper in a sanding block. Sanding is intended to remove imperfections in the Master

Builders Solutions Sandable Skim Coat surface. If working to aesthetic joints, sand any imperfections away from the edges. Remove the dust created by sanding.

7. If the product starts getting stiff, spray the area with a mist of water. This helps immensely and allows you to better manipulate the Master Builders Solutions Sandable Skim Coat
8. While sanding, some imperfections may become noticeable. Touch these areas up by skimming an additional application of Master Builders Solutions Sandable Skim Coat to the area. Allow to dry and sand it again.
9. Repeat the Master Builders Solutions Sandable Skim Coat application step until a desirable surface is achieved. Added attention to the Base Coats, Master Builders Solutions Sandable Skim Coat and sanding will greatly contribute to the creation of an appearance that most closely resembles the look of a metal panel.

#### MIXING AND APPLICATION INSTRUCTIONS FOR MASTER BUILDERS SOLUTIONS METALLIC UNDERCOAT

##### MIXING

1. Thoroughly mix the factory-prepared Metallic Undercoat with a paddle and drill to a uniform consistency.
2. Thinning is not required or recommended.
3. Additives are not permitted.
4. Close container when not in use.
5. Clean tools with soap and water immediately after use.

**Note: Master Builders Solutions Metallic Undercoat must be strained with a paint strainer / filter after mixing and prior to use in a spray application.**

##### APPLICATION

1. Substrate shall be clean, dry, sound and free of releasing agents, paint, contaminants or other residue or coatings. Verify substrate is flat, free of fins or planar irregularities greater than 6.4 mm in 3 m (1/4" in 10').
2. Apply Master Builders Solutions Metallic Undercoat to substrate with a HVLP pressure pot / conventional sprayer with a 1.4-1.8MM tip.

3. Master Builders Solutions Metallic Undercoat shall be dry to the touch before proceeding to the Master Builders Solutions Metallic Color Coat application.

NOTE: Master Builders Solutions Metallic Undercoat is opaque upon application.

#### MIXING AND APPLICATION INSTRUCTIONS FOR MASTER BUILDERS SOLUTIONS METALLIC COLOR COAT TO REPLICATE A METAL APPEARANCE

##### MIXING:

1. Mix the contents of the factory-prepared Master Builders Solutions Metallic Color Coat pail with a low speed drill and paddle mixer until thoroughly blended.
2. A small amount of clean, potable water may be added to adjust workability if needed. No other additives are permitted.
3. To create a smooth metallic appearance, it is recommended that you strain the Master Builders Solutions Metallic Color Coat with a 5-gallon nylon strainer.
4. Close container when not in use.
5. Clean tools with soap and water immediately after use.

##### APPLICATION

1. The Metallic Color Coat must be applied in multiple thin coat layers, always maintaining a wet edge.
2. Using typical painting practices and protecting each coat from debris and precipitation while drying.
3. Mask off areas of joints to receive sealant.
4. Apply Master Builders Solutions Metallic Undercoat to substrate with a HVLP pressure pot / conventional sprayer with a 1.4-1.8MM tip.
5. When spraying the Master Builders Solutions Metallic Color Coat, it is important to hold the gun perpendicular to the wall, using constant movement across the surface.
6. During spraying, the applicator must overlap each coat at a minimum of 50%, maintaining a wet edge.
7. The key to the Master Builders Solutions Metallic Color Coat is to apply several coats of product (wet on wet) without allowing the Master Builders Solutions Metallic Color Coat to sag.

8. Masking adjacent panels will be necessary in order to eliminate over-spray onto surrounding panels.

9. Protect all surfaces from over-spraying.

10. Remove the masking tape, while the Master Builders Solutions Metallic Color Coat is still wet. Do not allow it to dry. If you allow the Master Builders Solutions Metallic Color Coat to dry, the product films over the tape and this condition makes it very difficult to get a clean line and removal of the tape is more difficult.
11. It is imperative that the structure associated with the Master Builders Solutions Metallic Surfacing System wall segments is dried in and protected from rain or any moisture intrusion during installation and immediately after completion. Failure to do so may result in blistering.

**NOTE: Light colors and some custom colors may require additional coat of Master Builders Solutions Metallic Color Coat to achieve full/solid coverage and appearance.**

#### LIMITATIONS

1. Limit the panel sizes to a manageable size for spray application. Large panels without natural breaks may cause streaking. Suggested panel size not to exceed 5' x 5' (1.5 m x 1.5 m)
2. Protect Master Builders Solutions materials during transportation and installation to avoid physical damage.
3. Store Master Builders Solutions materials in a cool, dry place protected from freezing. Store at no less than 4 °C (40 °F). Protect from extreme heat and direct sunlight.
4. Shelf life is two years when unopened and stored as directed.
5. Do not apply Master Builders Solutions materials in ambient temperature below 4 °C (40 °F). Provide supplementary heat during installation and drying period (at least 24 hours after installation and until dry) when temperatures less than 4 °C (40 °F) prevail.
6. Do not apply Master Builders Solutions materials to frozen surfaces.

For the most current version of this literature, please visit our website at [finestone.master-builders-solutions.com/en](http://finestone.master-builders-solutions.com/en).