

# Metallic T0.5 Finish

A 100% acrylic textured finish.

## **COLORS**

Available in a range of standard and custom colors.

## **TEXTURE**

T0.5

## **PACKAGING**

5 gallon pail (19 liter pail)

## **COVERAGE PER PAIL**

125 to 135 ft<sup>2</sup> (11.6 - 12.5 m<sup>2</sup>).

Coverage rates vary depending on porosity of substrates and application techniques.

## **SHELF LIFE**

Two (2) years when stored in conditions described above.

## **VOC**

< 50 g/L less water and exempt solvents.



## **DESCRIPTION**

Factory-mixed, 100% acrylic polymer finish, utilizing uniformly-sized 0.5 mm aggregate for a smooth texture. It features an optimized combination of aggregates and metalescent pigments that combine the visual appeal of metal with the ease of application of a textured finish.

## **ADVANTAGES**

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Metal pigmentation providing a metal sheen.

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Optimized aggregate size providing a metal sheen.

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Abrasion resistant to enhance the metallic appearance, increase ease of application, and hide minor surface imperfections.

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Integral color and reduced maintenance and reduced maintenance.

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## TEST RESULTS

TEST	METHOD	CRITERIA	RESULT
VOC	ASTM D3960 (based in part on EPA method 24)	Report Value	<50g/l less water and exempt solvents.
Surface Burning Characteristics	ASTM E 84	Report Value	Flame Spread < 25 Smoke Development < 450 (Class A)
Accelerated Weathering	ASTM G 23	No deleterious effects after 2000 hours.	Pass
Accelerated Weathering	ASTM G 53	No deleterious effects after 7500 hours.	Pass
Water Vapor Transmission	ASTM E96 Method B	Report Value	Finish with Alpha Base Coat and Flexguard 4: 15.1 Perms
Abrasion Resistance	ASTM D968	No Cracking or loss of film integrity at 528 qt. (500L) of sand	Finish not worn through after 725 qt. (686L) of falling sand
Water Resistance of Coating in 100% R.H.	ASTM D 2247	No deleterious effects after 14 days exposure	Pass
Salt Fog Resistance	ASTM B117	No deleterious effects after 300 hours	Pass
Tensile Bond	ASTM C297, E2134	15 psi minimum	> 15 psi

## USES

Metallic T0.5 Finish provides protection for an aesthetically pleasing metallic appearance, surface and texture for Master Builders Solution Wall Systems, poured concrete or unit masonry, conventional stucco, properly prepared insulating concrete forms and interior veneer plaster or gypsum wallboard.

## MIXING

Thoroughly mix the factory prepared finish with a paddle and low speed drill to a uniform workable consistency. A small amount of clean potable water may be added to adjust workability. Do not exceed 10 oz. of water per 5-gallon pail.

- Additives are not permitted.
- Close container when not in use.
- Clean tools with soap and water immediately after use. Dried material can only be removed mechanically.

## SURFACE PREPARATION

- If applying finish over previously base coated material, ensure all imperfections are corrected and the base coat application is extremely smooth, with no mesh pattern showing. This may require a double coat of base coat.
- Panel size should not exceed 32 ft<sup>2</sup>. All

panels must be at a comfortable working height for the applicator to maintain a proper pattern during spray applications. The applicator must be able to maintain a “wet edge” and consistent distance from the panel during spray application to avoid the appearance of dry joints and imperfections.

- Mask off any of joints needing sealant and all adjacent materials/panels and/or claddings in order to protect all surfaces from over-spraying.
- Match Tinted Primer to the color chosen for the Metallic T0.5 Finish.
- Spray or roller apply the primer. For roller-application, use a 3/8” nap roller. Lay on the primer so there are no roller marks. For spray-application, use an airless sprayer with a minimum 521 reversible tip.
- Allow the primer to dry. If there are flaws, touch them up with the basecoat, allow it to dry, sand and re-prime the area. Allow Primer to dry prior to application of finish.

## APPLICATION

**NOTE: To achieve a color-consistent smooth surface, it is highly recommended that this product is applied per the application guidelines below. Typical trowel and float application may be**

**possible with lighter colors but should not be utilized on colors with a light reflectance value (LRV) less than 60.**

1. It is recommended that a minimum of four (4) thin coats of Metallic T0.5 Finish are applied. (One trowel coat is allowed to be dried and sanded. Remaining coats will be consecutive in different directions to eliminate the potential of spray patterns.
2. Apply the first coat of Metallic T0.5 Finish using a 12x4 Venetian trowel at a uniform thickness of 10-15 mils. Maintain a wet edge at all times during application.
3. Trowel Metallic T0.5 Finish without floating. Manipulate the finish application (if needed) using the flexible plastic Venetian trowel to obtain a smooth, trowel line free application. While manipulating the texture on the trowel coat you can spritz the surface of Metallic T0.5 Finish and the face of the trowel with a small amount of clean potable water, using a hand-held spray bottle. This will help maintain a wet edge if the finish begins to dry before application is complete.
4. Allow the trowel coat of Metallic T0.5 Finish to dry, then sand the finish with 100-150 grit sandpaper to remove trowel marks and create a smooth surface as necessary. Change sandpaper frequently as needed. After sanding, wipe the

surface with a damp rag to remove dust. NOTE: Extra care is needed with power sanders. If using a power sander, rotate sander in a figure 8 pattern to avoid creating a sanding pattern. Avoid sanding deep holes into the finish surface.

5. Spray application of the 2nd, 3rd and final coats. A small amount of cool, clean, potable water may be used to adjust workability. Do not add more than 15 oz. of water per full pail of Metallic T0.5 Finish. Spray application setup will depend on the texture gun chosen for application. Set pressure and tip size to maintain a nominal pattern without splattering of the finish to achieve a smooth application.
  - When spraying the Metallic T0.5 Finish, hold the gun perpendicular to the wall, using constant movement across the surface.
  - The key to a uniform appearance is to apply a minimum of three thin spray coats of product without allowing the Metallic T0.5 finish to develop a pattern.
  - The first two passes should be sprayed immediately after one another.  
NOTE: Opposite directions should be used with each pass. If spraying horizontally during the first pass, immediately spray vertically during the second pass. Spray the panel maintaining 50% overlap, and immediately spray in opposite motion creating a cross hatch of the product after the first pass, again maintaining a 50% overlap wet edge.
  - The third pass will be in a light circular or figure eight motion to eliminate any perceived pattern.
6. Protect area from direct sun light and hot temperatures as necessary. Application on a "hot wall" will produce patterns as a wet edge cannot be maintained. Set up texture gun and spray a small sample to ensure proper spray application.
  - Remove the masking tape, while the Metallic T0.5 Finish is still wet, to semi wet. Once dry, the product films over the tape, and makes it difficult to get a clean line.

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#### DRYING TIME

Approximately 12 hours to firm set, depending upon the ambient weather conditions, substrate absorbency and applied

film thickness. Protect newly applied finish from rain and temperatures less than 40 °F (4 °C) for at least 24 hours after application.

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#### LIMITATIONS

1. Protect from rain and from temperatures less than 40°F (4°C) for a minimum of 24 hours and until dry.
2. Efflorescence of Portland cement-based substrates such as concrete, masonry units and stucco may cause staining or discoloration on the surface of applied finish. Efflorescence is neither caused nor prevented by Master Builders Solutions Finish.
3. Not for use on damp surfaces, below grade applications or on surfaces subject to water immersion.
4. When temperatures less than 40°F (4°C) prevail, provide supplementary heat during installation and drying period for at least 24 hours after installation and until dry.
5. Do not apply in ambient temperature above 100°F (38°C) or surface temperature above 120°F (49°C).
6. Do not apply Master Builders Solutions materials to frozen surfaces.
7. The use of dark colors with light reflective values (LRV) less than 20% is not recommended with EIFS that incorporate expanded polystyrene (EPS). EPS has a sustained service temperature limitation of approximately 165°F (74°C).
8. Samples of Metallic T0.5 Finish are available from Master Builders Solutions for color approval only. Samples for job approval must be made in the field by the applicator and approved prior to ordering.

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#### SHIPPING & STORAGE

- Protect materials during transportation to avoid physical damage. Store in a cool, dry place protected from freezing, extreme heat and direct sun. Store at no less than 40°F (4°C) and not greater than 110°F (43°C).
- Do not stack pallets.

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#### TECHNICAL SUPPORT

Consult our Technical Services Department at +1 (800) 589-1336 for specific recommendations concerning all other applications. Consult the Wall Systems

website at [mbcc.sika.com/en-us](http://mbcc.sika.com/en-us), for additional information about products and systems and for updated literature.

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#### HEALTH, SAFETY AND ENVIRONMENTAL

Read, understand and follow all Safety Data Sheets and product label information for this product prior to use. The SDS can be obtained by visiting [mbcc.sika.com/en-us](http://mbcc.sika.com/en-us), e-mailing your request to [mbsbscst@mbcc-group.com](mailto:mbsbscst@mbcc-group.com) or calling +1 (800) 433-9517. Use only as directed.

**IN CASE OF EMERGENCY: Call CHEMTEL +1 (800) 255-3924 or if outside the US or Canada, +1 (813) 248-0585.**

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