

MICRO TOPPING Decorative Overlay



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Overview

MULTICOAT MICRO-TOPPING is a high quality, polymer modified, cement based, smooth finish coating, that when mixed with water, produces a tough, durable finish. The finish is then able to accept dye, stains and sealers.

Surface Preparation

MULTICOAT MICRO-TOPPING must be applied to structurally sound substrates. The substrate must be free of mold, mildew, grease, oil, dirt, dust, wax, curing compounds, sealers, paint, efflorescence and any loose material.

Cleaning may be accomplished by acid etching, mechanical sanding or minimum 3500 psi power washing. If the surface is cleaned with muriatic acid, it must be thoroughly neutralized by flushing with a solution of baking soda and water. Smooth steel troweled concrete must be roughened to insure a good bond. Apply Vapor Shield using a pump sprayer. Mist surface with water, then Vapor Shield immediately after. Repeat those two steps in a cross hatched pattern and finish the progression with another mist of water. If areas of the surface are “ponding” broom around the excess until all the material is saturated into the surface. **Multicoat’s Vapor Shield should be applied as per instructions sheets.** If patching of the concrete surface is necessary, it may be re-leveled with Multicoat Speed Mix.

The control and expansion joints are NECESSARY. Do not fill expansion or control joints with MICRO-TOPPING. Structural cracks and cracks due to continuing movement of the substrate may telegraph through the MICRO-TOPPING. After application of MICRO-TOPPING fill expansion or control joint with suitable caulking.

SEE WARRANTY FOR MORE INFORMATION

Application

Step 1: Pour 5 to 7 quarts of water into a clean pail. Do not deviate from this amount. Slowly add MICRO-TOPPING to the pail. To avoid lumps, add the powder slowly while mixing. Faster mixing can be achieved by using a drill and paddle mixer. Consistency should be that of pancake batter. Let mixture stand for 3-5 minutes (depending on weather) and then remix.

Step 2: Add Multicoat Colorant at this time if so desired. To insure uniformity, add the same amount of colorant to each pail. Color variations may occur within each pail.

MICRO-TOPPING is typically applied using a steel trowel or “Magic trowel” for a smooth finish.

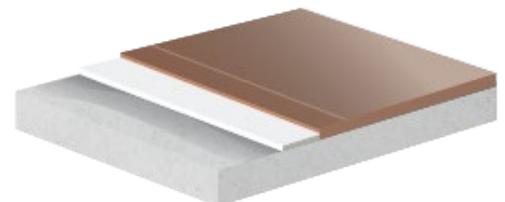
MICRO-TOPPING can also be applied using a hopper gun or squeegee. MICRO-TOPPING should be dry after approximately 6-8 hours depending on temperature and humidity.

MULTI-STAIN must be thoroughly stirred and shaken prior to use. Do not add water: use at full strength. All pails of like color stain should be combined into one container prior to use during application for uniformity.

Step 3: Apply MULTI-STAIN in one coat. Can be applied with a pump sprayer (recommended application), airless sprayer, by roller, sponge or broom. Apply stain generously to substrate to achieve desired color. Color will lighten slightly as it dries. Final color can be darkened by applying subsequent coats of stain: allow each coat to dry thoroughly. Then apply Multicoat’s CLEAR20 to entire area stained with a roller or a sprayer.

Quick Reference Guide

	MATERIAL	PURPOSE	COVERAGE
1	Vapor Shield	Vapor Barrier	75-150 SqFt/Gallon ²
2	Micro-Topping	Cement Overlay	100-300 SqFt/Bag
3	Multi-Stain	Concrete Stain	175-200SqFt/Bag
4	Clear20	Sealer	150-200 SqFt/Gallon



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Coverage

The thickness, application method, number of coats applied, surface absorption, weather conditions, etc., will affect square foot coverage per bag. Typical coverage per bag will range from 100 to 300 sq. ft. per bag.

Limitations

- **DO NOT** apply if substrate temperature is below 40°F or above 100°F, or if ambient temperature below 40°F above 100°F.
- **DO NOT** apply if precipitation is expected within a twenty four (24) hour period.
- Newly poured concrete slabs must cure for a minimum of 14 days.
- If product is applied during hot and windy weather, the product will set too fast and become unworkable.
- Installations requiring acid and/or industrial chemical resistance require MICRO-TOPPING to be sealed with Acrathane sealer.
- Using too much water will prevent MICRO-TOPPING from curing properly.
- Applying the MICRO-TOPPING too thick will increase the susceptibility of mud cracking.

Packaging And Storage

- **MICRO-TOPPING** is furnished in 50-lb bags.
- Shelf life is approximately 24 months.
- Store in a dry environment.

Damage Limitation

Seller shall not be liable for any damages, injury, loss, direct or consequential, resulting from its products. The parties intend that the limitation of damages, including consequential damages, applies even if the exclusive remedy provided for herein fails of its essential purpose.

Exclusive Remedy

Seller's sole obligation, and buyer's exclusive remedy shall be to replace material if found to be defective.

Warranty Disclaimer

There are no warranties which extend beyond the description of the fact hereof. Seller expressly disclaims all other warranties regarding the use of its products, whether expressed or implied, including the implied warranties of merchantability and for fitness of a particular purpose. Since use of the product is beyond the Seller's control, the Buyer assumes all risk of use.

Warranty

Materials are guaranteed with respect to uniformity and quality within manufacturer's specifications.



Laboratory Test Data

MICRO TOPPING

TEST

Weatherometer
Compressive Strength
Tensile Strength
Bond Strength (Flatwise Tension)
Abrasion Test
Salt Spray
Water Vapor Transmission
50-Cycle Freeze thaw
Flexural Strength
Impact Resistance
Flame Spread

METHOD

ASTM G23
ASTM C109
ASTM C190
ASTM C297
ASTM 1242A
ASTM B117
ASTM-E96A
ASTM-C67
ASTM-D790
MIL-D-3134F
ASTM-EB4

RESULTS

2000 hrs - Passed
45 Days air cured - 2595 psi
457 psi
225psi
1000cyc-1000gms - 39 mil loss
300 hrs - Passed
8.5 Perms
Passed
Modulus of Rupture - 770psi
Passed
Class A

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