

MICROTOPPING

ULTRA SMOOTH MICRO TOPPING

QUICK FACTS

PRODUCT NAME	Microtopping
PACKAGING	40 lb. Bag (18.1 kg)
COLOR(S)	Gray, White
DENSITY	126.1 pounds/ft ² (2018 kg/m ²)
COVERAGE*	1-40 lb. Bag (18.1 kg) bag = 200-300 ft ²
MIX RATIO / WATER DEMAND	5 – 6 qt. (4.7 – 5.7 liter) water to 1-40 lb. bag (18.1 kg)
SHELF LIFE	12 months in unopened bag under normal conditions when kept dry and moisture free, and out of direct sunlight
CURE / SET TIME **	Initial Set: 6 - 8 hours Full Cure: 28 days
MANUFACTURER PART #	SKU # / White Cement / 40 lb. Bag (18.1 kg) SKU # / Gray Cement / 40 lb. Bag (18.1 kg)

*Coverage rate depends upon application and substrate

**When placed at air and substrate temperatures consistently between 50°F (10°C) and 90°F (32°C) during and within 48 hours of placement.

DESCRIPTION

MICROTOPPING is a single component, self-bonding, cement-based, extremely thin overlay for interior concrete surfaces. MICROTOPPING was designed to yield an exceptionally smooth tight-troweled finish that can provide a new “blank canvas” for decorative concrete floors. It may also be placed vertically on interior walls, creating the look of Venetian plaster. Application is accomplished by trowel or “magic trowel.” MICROTOPPING is prepared with gray cement or white cement which may accept color packs.

SURFACE PREP

The surface must be free of dust, dirt, oil, grease, paints, glues, sealers, curing agents, efflorescence, chemical contaminants, rust, algae, mildew and other foreign matter that may serve as a bond breaker. Any concrete must be sufficiently cured to have sufficient hydration, approximately 7 - 14 days depending on temperatures and humidity. No system should be placed upon concrete that is flaking, spalling, or has hibernating spalling. Proper profile should follow the standard established

Some areas may require patching or crack treatment prior to application of MICROTOPPING.

Floors

Proper profile should follow the standard established by the International Concrete Repair Institute (ICRI) Technical

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Guideline no. 03732 for Concrete Surface Profile (CSP). The established profile is categorized as CSP-1 through CSP-3. The most common means to properly profile many concrete slabs is through the use of SCR (see SCR TDS). Some concrete slabs that are hard troweled or that are not sound may require

more aggressive profiling achieved through diamond grinding or shot blasting.

Customarily profiling is not required for application over another cement-based overlay.

Walls

Customarily profiling is not required for vertical application on a substrate. On concrete the use of SCR is recommended. A painted surface may require de-glossing or sanding. Drywall surfaces require finishing and priming prior to application.

MIXING

1. Add water, approximately 5 qt. (4.7 liter) to a 5 gal. (18.9 liter).

2. Add 1 – color pack if desired.

3. Mix with a handheld concrete mixer, such as an Eibenstock model #EHR 20R or a ½" (12.7 mm) 450 – 600 rpm drill equipped with a cage mixing blade.

4. Slowly introduce MICROTOPPING into the pail with mixer running.

5. Scrape side of pail with a margin trowel to ensure all dry product is incorporated into the wet mix.

6. Continue to mix for a minimum of 1 minute after all ingredients are combined to achieve a lump-free consistency.

7. Additional water may be added up to 6 quarts (5.7 liters) total for 40 pound (18.1 kg) bag.

APPLICATION

First Coat

MICROTOPPING may be applied as a single coat system.

Floor

1. The surface should be saturated, surface dry (SSD or damp, no puddles).

2. Pour a generous ribbon of MICROTOPPING and tightly trowel or squeegee product over entire area.

Wall – Utilize a hawk and trowel and tightly coat surface with trowel

Finish Coat

Floor

1. Depending upon substrate's condition and desired level of flatness or smoothness, a second or finish coat may be required.

2. The first coat must set sufficiently to bear the foot traffic of the applicator, usually overnight (depending upon weather).

3. The first coat may be scraped or sanded smooth and the surface swept or vacuumed.

4. The finish coat applies as the first coat described above.

Alterations of trowel techniques will yield numerous pleasing finish coats.

Wall

1. Depending upon substrate's condition and desired level of flatness or smoothness, a second or finish coat may be required.

2. The first coat must set sufficiently to support finish coat, approximately 2-6 hours.

3. The finish coat applies as the first coat described above.

Alterations of trowel techniques will yield numerous pleasing finish coats.

Sealing

To complete a MICROTOPPING project, sealing is required.

CLEAN-UP

Before MICROTOPPING dries, spills and tools can be cleaned up with water.

WARNING

KEEP OUT OF REACH OF CHILDREN. Inhalation: Avoid prolonged breathing of airborne dust, particularly present during mixing. Use NIOSH approved respirator for nuisance if threshold limit values are unsafe. **Skin Contact:** Skin contact may cause irritation. Remove contaminated clothing and wash affected skin with soap and water. Launder clothing before reuse. If symptoms persist, seek medical attention. **Eyes:** Wear safety eye protection when applying. Contact with eyes may cause irritation. Flush eyes with water for 15 minutes. If symptoms persist, seek medical attention.

WARRANTY

Warranty of this product, when used according to the directions, is limited to refund of purchase price, or replacement of product (if defective), at manufactures/seller's option. Manufacturer shall not be liable for cost of labor or direct and/or incidental consequential damages.