



# Miracote One Smooth

## Technical Data Sheet

Miracote *One Smooth* is a single component, polymer-modified, cementitious, micro-topping grout or finish coat that only requires the addition of potable water on site for use in resurfacing and beautifying concrete and other compatible substrates. Due to an extremely fine particle size, Miracote *One Smooth* is designed and intended only for use over base coats of Miracote *One Regular* in microtopping applications.

Miracote *One Smooth* can be integrally pigmented with Miracote ColorPax LIP or stained with Miracote Mirastain, or it can be both pigmented and stained to achieve a limitless choice of uniquely distinctive designs and textures. For care and maintenance in service, Miracote *One Smooth* requires the application of a protective Miracote sealer or coating. Depending on specific conditions and service requirements, contact a local Miracote representative for the most appropriate product selections from our MiraGard, MiraThane or MiraFlor coating technology groups.

### INTENDED USES

- Concrete resurfacing and flooring projects
- Restore and refurbish flawed or discolored concrete
- Applied as a grout or texture coat over Miracote *One Regular*
- Decorative floor and wall finishes
- Faux tile and masonry finishes on balconies/breezeways
- Resurfacing of ceramic tile floors
- Create faux concrete countertops over wood and formica
- Decorative floor finishes and microtoppings

### ADVANTAGES

- Single component - Just add water.
- Economy and durability in one package
- Provides a smooth finish when applied as a grout
- Ideal for interior and exterior use
- Outstanding adhesion to Miracote *One Regular*
- Enhances appearance/curb appeal of building assets
- Extensive choice of colors, textures and patterns
- Integrally pigmented, stained or both
- Excellent canvas for all stains
- Zero VOC – meets LEED point criteria

### COVERAGE RATES

Theoretical coverage per unit:  
550 sq. ft. @ 13.65 mils

Approximate Yield/Unit = .625 cu. ft.

Actual consumption rates are dependent on many factors including, but not limited to, substrate texture, variations in applied thickness and normal allowance for waste.

### PACKAGING AND COLORS

55-pound bag Natural Gray or White Powder

### MIX RATIO

#### Grout Coat and Texture Coat

Add 9 quarts of water to 55-pound bag

(To modify consistency, ratio may be slightly adjusted as desired)

### SHELF LIFE AND STORAGE

Shelf life is one year from the date of manufacture as long as containers remain unopened and when material is store in a protected environment that is free from moisture, excessive heat and freezing temperatures, and direct sunlight.

### TYPICAL PHYSICAL PROPERTIES @ 75°F (24°C)

**Water Demand** ..... 9 quarts/55 lbs

**Working Life** ..... 15-60 minutes (temperature dependent)

**Recoat Time** ..... 2-4 hours or when dry

**Open to Traffic** ..... 12 – 24 hours

(The following data is only applicable for Miracote *One Regular*)

**Adhesion** ASTM C932, Modified (No priming)..... 200 psi

**Tensile Strength** ASTM C307 ..... 465 psi

**Compressive Strength** ASTM C579, Method A..... 4,100 psi

**Flexural Strength** ASTM C580 ..... 1,200 psi

**Water Vapor Permeability** ASTM E96 ..... 1.96 perms/in

#### Impact Resistance

MIL-D-3134, Para. 4.7.3 ..... No cracking or detachment  
(2 lb. steel ball dropped from 8" height onto coated steel plate)

### OVERVIEW OF INSTALLATION STEPS

- **Surface Preparation** – All surfaces must be clean, sound, and free from bug holes, pop outs, voids, discontinuities, mortar fins, and any bond inhibiting substances including, but not limited to, grease, oil and any other contaminants or loosely adhered materials. For concrete substrates, a minimum surface profile of a CSP-2 or higher is required depending on overall substrate conditions and coating requirements. Refer to Miracote *One Regular* PTDS and all pertinent IG's (installation guidelines) for details regarding preparation procedures of the Miracote *One Regular* surface prior to the application of Miracote *One Smooth*.

- **Mixing** – Miracote *One Smooth* must be mixed mechanically to a uniform consistency in a clean mixing vessel using a low-speed drill (300-450 rpm) with a "Jiffy-type" or similar Miracote-approved mixing paddle. Mixing water must be accurately measured using volumetric graduated containers or similar. Add 8 (eight) quarts of potable water into the mixing vessel. When mixing Miracote *One Smooth* always add the powder component gradually to the water. Thoroughly mix the complete unit for a minimum of three minutes. If desired, add one more quart of water and continue mixing for an additional two minutes or until a uniform consistency is achieved that is free of lumps and pockets of dry powder.

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- **Application** – Miracote *One Smooth* Powder can be applied using conventional microtopping tools and equipment. Apply base and intermediate coats with Miracote *One Regular* only. For grouting and finished texture coats, the use of smooth powder is required for best results.

### For Best Results

- Always install a minimum 4' by 4' test area or job site mock up for owner approval of acceptable color, texture, finish adhesion and any other critical requirements prior to proceeding with the installation.
- Verify that the most current versions of product technical data sheets (PTDS), color charts, material safety data sheets (MSDS), and installation guidelines (IG) are being utilized for project submittals and application reference.
- Protect materials at all times from excessive heat and cold.
- The proper application of this product is the sole responsibility of the end user. Job site visits by Miracote representatives are only for the purpose of making recommendations. Supervision and quality control are the sole responsibility of the user.
- Measure surface and ambient temperatures to ensure that material is only applied when both temperatures range between 40°F (4.5°C) and 90°F (32.2°C) during mixing, placement and time of application.
- As with concrete and other cementitious or masonry products, surface staining and tire marking may occur. The application of a film-forming sealer or topcoat is required to maintain product integrity, and enhance cleanability and resistance to stains and potential tire marking.
- Natural gray and pigmented cementitious coatings may exhibit color variegation due to fluctuating evaporation rates during cure.

### LIMITATIONS

- May reflect moving cracks and control joints. Implement detail as per current published installation guidelines (IG's).
- Staining, streaking and efflorescence may occur when fresh coating is exposed to excessive ponding or running water.
- Prevent any contact with aluminum which can cause an adverse reaction due to MPC's cementitious content.

### SLIP RESISTANCE and CLEANABILITY

In general, the more aggressive the finished surface the greater the coefficient of friction and corresponding slip resistance, the more difficult to clean. The smoother the finished texture the easier the surface is to clean, but there is a loss of skid resistant properties.

### LIMITED WARRANTY

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**CAUTION: ALWAYS KEEP OUT OF THE REACH OF CHILDREN.**



**Miracote Product Line**  
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