



Miracote One Regular

Product Technical Data Sheet

Miracote *One* Regular is a single component, polymer-modified, cementitious, micro-topping that only requires the addition of potable water on site for use in resurfacing and beautifying concrete and other compatible substrates. Available in proprietary blends of both white and natural gray cement, Miracote *One* Regular can be integrally pigmented with Miracote ColorPax-LIP or stained with water-based Mirastain, or it

can be both pigmented and stained to achieve a limitless choice of distinctive finishes.

Designed for both interior and exterior use, Miracote *One* Regular is typically applied in two or more coats by magic trowel, hand-trowel, brush, roller, spray or notched squeegee and back roll. For care and maintenance in service, Miracote *One* Regular 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.

WHERE TO USE

- Concrete resurfacing and flooring projects
- Restore and refurbish flawed or discolored concrete
- 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
- Ideal for interior and exterior use
- Outstanding adhesion to most substrates
- 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:

One Coat Application	240 sq. ft. @ 31.25 mils
Two Coat Application	110 sq. ft. @ 68.75 mils
Three Coat Application	71 sq. ft. @ 106.25 mils

Approximate Yield/Unit .625 cu. ft.

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

PACKAGING and COLORS

55-pound bag Natural Gray or White Powder

MIX RATIO

Add 6-7 quarts of water to 55-pound bag

SHELF LIFE AND STORAGE

One year from the date of manufacture as long as containers remain unopened and material is stored in a protected environment free from moisture, excessive heat, freezing temperatures, and direct sunlight.

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

Water Demand	6 to 7 quarts/55 lbs
Working Life	15-60 minutes (temperature dependent)
Recoat Time	2-4 hours or when dry
Open to Traffic	12 – 24 hours
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. Repair any existing concrete surface defects previously noted with the appropriate MiraPatch repair mortar. Concrete and other porous or absorptive substrates should be **(SSD) saturated surface dry** with no standing water at the time of application.
- **Mixing** – Miracote *One* Regular 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 6 (six) quarts of potable water into the mixing vessel. When mixing Miracote *One* Regular 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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OVERVIEW OF INSTALLATION STEPS (continued)

Application – Miracote One Regular can be applied using a roller, brush, broom, trowel, magic trowel, squeegee or spray equipment. Apply only on properly prepared substrates, and be sure that all bug holes, pop outs, and other surface discontinuities have been rendered with appropriate MiraPatch repair mortar or underlayment.

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.
- Regularly check wet film thickness with mil gauge and monitor material consumption to ensure correct application thicknesses are obtained.
- 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 temperatures are 40 F (4.5 C) and rising during placement and cure time.
- As with concrete and other cementitious or masonry products, surface staining and tire marking may occur. Apply a clear film-forming or penetrating sealer to enhance stain resistance, cleanability and minimize tire marking.
- Natural gray and pigmented cementitious coatings may exhibit color variegation due to fluctuating evaporation rates during cure. For better color consistency, apply a topcoat of MiraGard Colorbond or other Miracote pigmented topcoats.

LIMITATIONS

- Will reflect concrete cracks.
- Do not install in freezing weather.
- Shade variations may occur with natural cement color material.
- Not suitable for use in areas where strong acids or bases are spilled unless specifically protected with a special reagent resistant sealer.

LIMITED WARRANTY

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CAUTION: ALWAYS KEEP OUT OF THE REACH OF CHILDREN.



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