



# Miracote RT (Renew Top)

## Product Technical Data Sheet

Miracote RT (RenewTop) is an innovative, single component, polymer-modified, spray-applied cementitious coating designed for application over existing conventional and decorative concrete, cementitious overlays, microtoppings, and many other suitable substrates. Engineered for use with specialized texture spraying equipment and spray guns, Miracote RT provides an ultra-thin skin to renew, restore and beautify the finish of aged, worn, discolored or stained concrete surfaces while preserving the original texture of the substrate. Miracote RT is available in a standard white powder that can be integrally colored with Miracote's ColorPax LIP pigment packs, or stained using water-based MiraStain.

### WHERE TO USE

- Renew/colorize existing conventional concrete.
- Restore and recolor existing stamped concrete and overlays.
- Renew and recolor existing microtoppings.
- Provide a new canvas over concrete to be stained.
- Resurface flawed or discolored architectural concrete precast.
- Resurface stained or discolored concrete.
- Renew, restore or colorize vertical masonry walls.
- Parking garage columns, wall, and ceilings.
- Bridge parapets and abutments.
- Resurfacing of balconies and breezeways.

### ADVANTAGES

- Ultra-thin application thickness.
- Preserves existing finished texture.
- Moisture vapor permeable – reduces potential for corrosion.
- Protects against penetration of water, chlorides and carbon dioxide.
- Enhances appearance/curb appeal of concrete & masonry.
- Tenacious adhesion to prepared substrates.
- Prep – Spray – Stain in one day.
- Zero VOC – meets LEED point criteria.
- Ideal for interior/exterior, horizontal/vertical/OH surfaces.

### COVERAGE RATES

700 sq. ft. per bag @ 10 mils per coat

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

Miracote RT Powder White (32 lb. bag)

Miracote RT Retarder (4 oz. unit, 1-gal. unit)

Miracote ColorPax LIP single pigment pack unit

### MIX RATIO

#### Non-pigmented

1 bag RT Powder: 10 - 12 qts of water with 4 oz. unit RT Retarder

#### Pigmented

Same as above with addition of 1 ColorPax LIP pigment pack

### 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)

<b>Working Life</b> .....	15-30 minutes (temperature dependent)
<b>Recoat Time</b> .....	1-4 hours or when dry
<b>Pot Life</b> .....	60 minutes (with addition of 4 oz. RT retarder)
<b>Adhesion</b> ASTM D4541 .....	< 350 psi
<b>Surface Hardness</b> ASTM D2240 .....	70-75

### OVERVIEW OF INSTALLATION

*(Obtain and refer to Miracote Installation Guideline for full instructions.)*

- **Surface Preparation** - All surfaces to be coated must be clean, sound and free from 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 the specific application, type of concrete substrate, overall substrate conditions and coating requirements. Concrete and other porous or absorptive substrates must be primed with MiraPrime ML (water-based epoxy primer) or MiraPrime Universal (water-based polymer primer) prior to the application of Miracote RT to the substrate.
- **Mixing** – Miracote RT must be mixed mechanically using a high-speed drill with a “cage-type” mixing paddle in a clean 7 gal. mixing vessel or similar container. When mixing RenewTop always pour 8 quarts of potable water into the mixing pail first and slowly add the RT powder component while mixing. Thoroughly mix the Miracote RT for approximately 3 minutes until a uniform smooth consistency is achieved that is free of lumps and pockets of dry powder. Next add the additional 2 to 4 quarts of water along with the retarder component and mix for an additional 2 minutes. If material is being integrally colored, blend in the ColorPax LIP at the same time as the retarder. The mix ratio of powder to liquid may be slightly modified depending on whether the material is being used on horizontal or vertical surfaces. When mixing is complete, pour the Miracote RT through a paint strainer before attempting to spray the mixed material to the surface.
- **Application** - Miracote RT (Renew Top) must be applied using a pressure pot or similar smooth texture spray equipment. Apply Miracote RT only on properly prepared substrates, and be sure that all voids, gouges, bug holes and other surface defects have been rendered with an appropriate MiraPatch repair mortar and/or underlayment prior to the application of Renew Top.

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### 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 product 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 observations and recommendations. Supervision and quality control are the sole responsibility of the installer.
- Measure surface and ambient temperatures to ensure that material is only applied when temperatures are 50° F (10° C) and not to exceed 90°F (32.2°C) during placement and cure time.
- As with concrete and other cementitious or masonry products, surface staining and tire marking may occur. Always apply a clear film-forming sealer to enhance stain resistance, cleanability and to minimize tire marking.
- Natural and pigmented cementitious coatings may exhibit color variegation due to fluctuating evaporation rates during cure.

### LIMITATIONS

- Miracote RT must be properly sealed with an appropriate Miracote clear film-forming coating and/or sealer prior to exposure to traffic and exterior atmospheric and other service conditions. Consult with Crossfield Products regarding the most suitable coating based on job site and exposure conditions.
- 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 direct contact with aluminum which can cause an adverse reaction due to the cementitious content in Miracote RT.

### LIMITED WARRANTY

NO WARRANTY SHALL BE EFFECTIVE UNTIL THE TERMS AND CONDITIONS OF SALE SET FORTH IN CROSSFIELD PRODUCTS CORP. INVOICES ARE MET.

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CAUTION: ALWAYS KEEP OUT OF THE REACH OF CHILDREN.



**Miracote Product Line**  
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