

CONCRETE STAIN & SUPPLY, LLC

Technical Data Sheet (TDS) Mantello Resurfacer Premium CR-106 Premium White / CR-107 Premium Gray

Product

Mantello Resurfacer is a single component polymer cement coating for stable concrete surfaces that provides superior coverage to transform damaged, worn or unsightly concrete into an unblemished surface. The proprietary blend of ingredients gives Mantello Resurfacer exceptional durability and the tenacious holding power needed to eliminate delamination, peeling and flaking.

Coverage per 50 LB Bucket

Micro-topping application - 1/32" thickness using a Magic Trowel™ or Squeegee - 205 SF.

Smooth Coat application – 1/16" thickness using a Magic Trowel™, Squeegee, or Fresno – 102 SF

Heavy Coat application – 1/8" thickness using a Magic Trowel™, Squeegee, or Pool Trowel – 51 SF

Tools & Supplies

Supplies: clean bucket, low-speed drill with mixing paddle, spikes

Application tools: pool trowel, margin trowel, Magic Trowel, squeegee, fresno, or hopper gun.

Surface Preparation

Surface and ambient temperatures should be between 50°F and 90°F during application and curing. Fill all holes deeper than 1/16" with Mantello Resurfacer and allow to fully cure prior to coating the entire floor. Contaminants and curing agents must be **completely removed**. Failure to remove all contaminants can result in loss of adhesion.

INTERIOR SURFACES:

Option A

1. Run Engrave-A-Crete Blasting Betty over the surface to **remove all contaminants** including, but not limited to, paint and sealers. A tight-troweled surface should reach the texture of 220 grit sandpaper or rougher.
2. Thoroughly scrub the surface using a floor machine with a nylon bristle brush using water and CR-580 Degreaser. ***Dispose of all waste water in accordance with local, state, and federal regulations.

Option B

1. If needed remove all paint and/or sealer from the surface using CR-590 Paint & Sealer Remover.
2. If the surface has an oily or greasy film OR if CR-590 Paint & Sealer Remover was used, scrub the surface using CR-580 Degreaser.
3. Apply CR-765 Surface Prep & Etch at a dilution ratio of 4 parts water to 1 part Surface Prep & Etch. Scrub in with a stiff bristle broom. When the fizzing action stops, rinse the surface with water. Do not allow the Surface Prep & Etch solution to dry on the concrete. If a more porous surface is needed, repeat Step 3. An interior floor's surface texture should feel similar to 220 grit sandpaper or rougher.
4. Apply CR-585 Surface Neutralizer (dilution of 8 oz in 5 gallons water) using a stiff bristle brush or broom to scrub in the neutralizing solution, then rinse with water.
5. Thoroughly scrub the surface using a floor machine with a nylon bristle brush using water and CR-580 Degreaser. ***Dispose of all waste water in accordance with local, state, and federal regulations.

EXTERIOR SURFACES

1. Remove oil and grease using Concrete Resurrection Degreaser.
2. Pressure wash and rinse.
3. Apply CR-765 Surface Prep & Etch at a dilution ratio of 4 parts water to 1 part Surface Prep & Etch. Scrub in with a stiff bristle broom. When the fizzing action stops, rinse the surface with water. Do not allow the Surface Prep & Etch solution to dry on the concrete. If a more porous surface is needed, repeat Step 3.
4. Apply CR-585 Surface Neutralizer (dilution of 8 oz in 5 gallons water) using a stiff bristle brush or broom to scrub in the neutralizing solution then rinse with water.
5. Pressure wash. ***Dispose of all waste water in accordance with local, state, and federal regulations.

Mixing :

Pour 4 – 5 quarts of water into a clean bucket. Gradually add the dry mixture while mixing using a low-speed drill equipped with a smooth sided mixing paddle. Mix thoroughly so that no lumps or dry powder remain. Allow to stand 5 minutes then remix. **DO NOT ADD ADDITIONAL WATER**

Application

Apply a light mist of clean water to the concrete surface. Do not allow the water to puddle. The dampening of the slab keeps the concrete from pulling the water from the Mantello resurfacer. Premature drying or water loss will result in a low strength, cracked and or crusty coating. Apply Mantello Resurfacer Premium to the surface using desired application tool.

Cure Rate/Drying Time

Thickness of application, temperature, and humidity will affect cure rate. Surface will exhibit uniform appearance when dry. Approximate dry times: 12 hours to re-coat, 24 hours to engrave or stain.

Clean Up

Use water to immediately and completely clean all tools that come in contact with Mantello Resurfacer. Dispose of waste water in accordance with federal, state and local regulations.

Limitations

Mantello Resurfacer is for use on stable concrete, it may reflect moving cracks and expansion joints. Prepare a sample for owner approval prior to application. As with other cement and masonry products, Mantello Resurfacer will stain and tire mark if left unsealed. It is the sole responsibility of the property owner or applicator to determine the suitability and safety of this product.

Sanding

If a smooth surface is desired the top surface of Mantello Resurfacer Premium can be wet sanded using a floor machine and black pad or sanding screen. Dry sanding is ineffective.

Staining -

- Surfaces to be stained must be clean and free of all dirt and contaminants.
- Mantello Resurfacer must cure for a **minimum** of 24 hours prior to staining. Surface will exhibit a uniform appearance when dry.
- Concrete Resurrection Water Reducible Concentrate (WRC) Stains **must be applied** with an HVLP sprayer or scrubbed in with high quality cotton rags.
- Concrete Resurrection Reactive Acid Chemical (RAC) Stains **must be diluted** with a minimum of 2 parts water to 1 part stain. Surface may blacken if stain is not properly diluted.
- Follow label directions and technical data sheets for stain application.
- **Color may vary from color chart. Prepare a test section for customer approval.**

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Storage and Shelf Life

Keep away from children.

Avoid freezing temperatures and excessive heat. Protect from moisture.

Unopened containers may be stored for up to one year from the date of manufacture.

Safety

Wear protective respiratory gear when handling dry portions of Mantello Resurfacer. Avoid contact with eyes and prolonged contact with skin. Mantello Resurfacer contains silica and Portland cement. Portland cement can cause alkali burns. Use with adequate ventilation. When using in confined or limited ventilation areas, use respirator to protect against breathing vapors and particles.

Use proper safety apparel including but not limited to gloves, eye protection, respirator and protective clothing.

First Aid

- Eyes—Do not rub eyes. Flush immediately with water holding eyelids apart.
- Skin—Wash affected areas thoroughly with soap and water
- Inhalation—Move to fresh air. If symptoms persist, seek medical attention
- Internal—Contact a physician immediately

Warranty

The Manufacturer and/or the Seller warrants that if any goods supplied prove defective in workmanship or material, that Manufacturer and/or Seller shall replace them or refund the purchase price. This warranty is made in lieu of any and all other warranties expressed or implied. Before application, the User shall determine the suitability of the product for his intended use and User assumes all risks and liabilities whatsoever in connection therewith. Under no circumstances shall the Manufacturer and/or Seller be liable for incidental, consequential or other damages for alleged negligence, breach of warranty, or strict liability arising out of use or handling of this product. The sole liability of Manufacturer and/or Seller for any claims arising out of the use or sale of the product shall be for the User's purchase price. Any claim of defective product must be received in writing within one (1) year from date of shipment.