

ResinTek Urethane Cement Trowel Grade RT-UC 3/8"

DESCRIPTION

The EPOXY CRACK FILLER is a 100% solids two-component (1A:1B) gel epoxy crack repair which is virtually VOC-free. The product is easy to use and can be applied on horizontal and vertical surfaces. It also offers a long pot life and working time but cures very quickly allowing the installation of the base coat or primer minutes after the application of the EPOXY CRACK FILLER. This product possesses superior mechanical and chemical properties suited for residential, commercial and industrial applications. The formulation is based on a high-performance cycloaliphatic polyamine technology displaying outstanding properties.

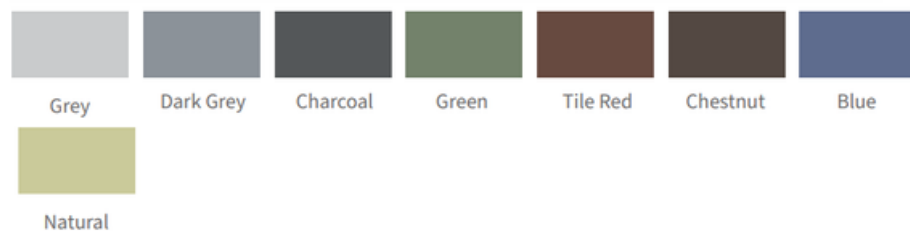
RECOMMENDED USES

- + Animal Care and Housing
- + Automotive Show Room and Repair Areas
- + Commercial Bakeries and Kitchens
- + Food, Beverage and Spirits Processing
- + Hospital and Health Care Facility Floors
- + Laboratories and Research Floors
- + Manufacturing and Warehouse Floors
- + Mechanical Equipment Room Floors
- + Pharmaceutical Floors

BENEFITS

- Complies with USDA, FDA, FSMA.
- Slip Resistance
- LEED requirements.
- Cures to an inert finish.

COLORS



LIMITATIONS

- + Higher temperatures will result in shortened working times and faster drying time.
- + Color may vary due to batch-to-batch variation, always "box" different batches to avoid it.
- + Use only Full Kits, Do Not split kits
- + May amber with UV Exposure
- + Don't use damaged or wet C-Component

SHELF LIFE

1 Year on Liquids and 6 Months on Aggregate from Date of Manufacture provided unopened

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PHYSICAL PROPERTIES

VOC	<5 g/L
SOLIDS CONTENT	100%
MIX RATIO	Full Kit
COVERAGE RATE	12 ft ² /kit
APPLICATION TEMP	.....	50° - 90°F
POTLIFE 1 Gal mass @ 75°F	.....	15-20 Min
DRY TIME @ 75°F	.....	6-8 Hours

MECHANICAL PROPERTIES

COMPRESSIVE STRENGTH ASTM C579	.....	5,000 p.s.i
FLEXURAL STRENGTH ASTM C580	.....	2,500 p.s.i
TENSILE STRENGTH ASTM C307	.....	720 p.s.i
SHRINKAGE ASTM C531	.....	0.20%
ADHESION TO CONCRETE ASTM D7234	.....	>400 p.s.i
SHORE D HARDNESS ASTM D2240	.....	78-80
IMPACT RESISTANCE ASTM D2794	.....	>160 in/Lbs
FLAME SPREAD/ NFPA ASTM E648	.....	Class 1
ABRASION RESISTANCE ASTM D4060	.....	70 mg Loss

APPLICATION EQUIPMENT

- + Personal Protective Equipment
- + Mortar Mixing Paddle
- + Drill
- + 3/8" Cam Rake
- + Spike Roller
- + Spike Shoes

SURFACE DIAGNOSTICS

Concrete must be structurally sound and free of all contaminants and bond breakers. Test concrete compressive strength using a Schmidt or Rebound Hammer to ensure substrate has compressive strength of 3500 psi or higher. Perform a PH test using concrete PH test strips or meter to ensure substrate PH is between 9-12. Perform Moisture Test using either Calcium Chloride per ASTM F1869 or In-Situ Relative Humidity Probe per ASTM F2170 to ensure substrate has Moisture Vapor Emission Rate of 20 lbs or less and Relative Humidity of 80% or less. If Moisture Vapor Emission Rate is above 20 lbs. but below 25 lbs. and relative humidity is above 80% but below 99% then apply 8303 Moisture Barrier Primer first at 16 mils with a coverage rate of 100 Ft²/ Gal.

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SURFACE PREPARATION

Use Mohs scratch test to determine concrete hardness for proper diamond bond selection. Concrete should be mechanically profiled and prepared to produce a Concrete Surface Profile (CSP) level between #2 & #4 per ICRI Guideline no. 310.2R. All perimeter areas of coating termination shall be masked for protection. Saw cut and key-in all termination points.

SURFACE REPAIR

All depressions, divots and cracks should be profiled and free of dust and contaminants. Repair surface imperfections to reduce the ability to see the defect through the coating. Honor all dynamic (moving) joints, static joints may be filled, use dynamic joints as initiation and termination points during application process where needed.

TEMPERATURE EVALUATION

Ambient and substrate temps should be above 50°F and a minimum of 5°F above Dew Point. Product temps should be between 70-80°F. Relative Humidity should not exceed 80%.

COVERAGE RATE

12 Ft² / Kit @ 3/8"

MIXING

1. Pre-Mix B-Component in its respective container using Jiffy mixer and drill at slow speeds for 11 minute until pigment is uniform.
2. Pre-Mix A-Component in its respective container using clean Jiffy mixer and drill at slow speeds for 30 seconds or until thoroughly homogeneous.
3. Transfer A-component and B-component into a clean metal 5-gal bucket and mix for 1 minute then slowly add C-Component gradually while continuously mixing for 2-3 minutes being sure to scrape sides of the bucket with a stir stick ensuring both components are thoroughly blended.

DO NOT MIX MORE MATERIAL THAN CAN BE APPLIED IN 10 MINUTES

MIXING AREA SHOULD BE PLACED ON OR IN CLOSE PROXIMITY TO PROJECT. AREA SHOULD BE SECURELY COVERED WITH PLASTIC, CARDBOARD OR TARP. STAGE MATERIALS, TOOLS AND CLEANING SUPPLIES IN MIXING AREA PRIOR TO APPLICATION PROCESS.

WORKING TIME

15 Minutes @ 75°F

WARMER AMBIENT, PRODUCT AND SURFACE TEMPERATURES WILL SHORTEN POTLIFE AND WORKING TIME.

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APPLICATION STEPS

1. Pour a band of mixed material across the surface roughly 4-6" wide. Use 3/8" Cam Rake to gauge material across surface

SETS UP QUICKER IN MASS, MIXED MATERIAL SHOULD NOT BE LEFT SITTING IN BUCKET FOR PERIODS OF TIME

2. Back roll the surface with 18" spiked roller by walking into the wet material wearing spike shoes and roll the surface wall to wall with overlap perpendicular to your first pass to release air entrapment

3. If broadcasting sand or colored quartz then do so into wet coating at a rate of 0.8 lbs/ ft²

Allow coating to dry 6-8 Hrs @ 75°F Light Traffic:
24 Hours Heavy Traffic: 48 Hours Equipment
Traffic: 72 Hours

SLIP RESISTANCE

Skid-Resistance – Field (in situ) Wet Dynamic Coefficient of Friction (DCOF), ANSI A326.3.

CLEAN-UP

Clean-up mixing station, tools, and equipment as required. Use acetone, a VOC exempt solvent, for cleaning up. Observe all legal, and health, and safety precautions when handling or storing solvents and materials, particularly in confined spaces. Make sure the working areas are well ventilated at all times during placement and curing time.

DISPOSAL

Dispose of empty packaging and other waste in accordance with federal, state, provinces and local regulations.

MAINTENANCE

Inspect the installed floor by spot cleaning and spot repairing the damaged or cracked areas. To prolong life of the flooring system, a daily maintenance program is highly recommended to ensure the floor is safe for its intended purposes. See Crown Polymers Technical Bulletin: 8 Care and Maintenance.

TECHNICAL SUPPORT

For questions, Visit Resinteksystems.com or contact Resintek Systems for additional resources.