

1. PRODUCT DESCRIPTION

A. COMPOSITION

Resistite Microtopping is a multi-use cementitious decorative and protective coating system designed for application over a broad range of surfaces (concrete, brick, metal, masonry, wood, etc.) to create a decorative, "concrete-like" appearance. The surface can be stained, mottled, scored, etched, stenciled, colored and sealed to produce a wide variety of architectural looks, including feature designs with multiple custom-coloration, accent scoring and stencil design.

A two-component product, Resistite Microtopping consists of a unique proprietary rubber-like liquid, which is mixed at the time of placement with a pre-engineered cement-aggregate blend. The resulting combination produces a tough, water-retardant coating with many desirable properties.

Resistite Microtopping, when installed in typical thickness, is approximately 3/32" (2.4mm), and lightweight, 1.1 lb psf (5.35 kg/m²). Although extremely flexible, the material is notably abrasion resistant. It may be used interior or exterior in the widest range of climates.

Resistite Microtopping is available in two natural colors: white and light gray, however, it may be integrally pigmented in a wide range of additional colors. It may also be antiqued or chemical stained with coloration options that are almost unlimited.

It can be finished with optional topcoats of clear (gloss) or matte finish, Dex-O-Tex Dex-O-Thane aliphatic polyester urethane, which are chemical, abrasion and UV stable or topcoated with Posi-Tred CR when subjected to extreme environmental conditions or Quik-Glaze, which is a high chemical and abrasion resistant polyurea topcoat.

B. TYPICAL USES

Resistite Microtopping is used in commercial, institutional and residential applications, including: retail stores and outlets, food and beverage service establishments, restrooms and floors for public areas in hotels, theme parks, museums, schools and universities, etc. Resistite Microtopping may also be used to produce a skid resistant finish.

C. ADVANTAGES AND LIMITATIONS

ADVANTAGES:

1. Decorative concrete-like appearance.
2. Water-retardant.
3. Thin-section.
4. Skid resistant profiles available.
5. Abrasion-resistant.
6. Low cost.
7. Easy to clean.
8. Installed only by Professional Factory Trained Dex-O-Tex Contractors.

LIMITATIONS:

1. May reflect working cracks in substrate.
2. A waterproofing and crack isolation membrane can be installed prior to system application.
3. Moisture vapor emission rates (MVER) in excess of 4.5 lbs/1000sq/ft/per 24hr. period per ASTM F1869, or an rh in excess of 80% per ASTM F2170 may result in delamination, discoloration or improper curing without proper treatment prior to installation of the flooring system. Consult Crossfield Products Corp. for specific recommendations.
4. Vapor control primers, sloping, smoothing or leveling compounds, crack repair or isolation, waterproof membranes or other supplementary items may be required for proper installation at an additional cost. Consult with Crossfield Products Corp. for specific recommendations.

2. TYPICAL PHYSICAL PROPERTIES at 75°F (24°C)

- A. **Compressive Strength** ASTM C109 2,440 psi (2"x2" cubes)
- B. **Tensile Strength and Elongation** ASTM C190 430 psi
- C. **Flammable Properties** ASTM E84 Flame Spread 4 (Steiner tunnel Test)..... Smoke Density 0
- D. **Fire Resistance** UL-790, Class A..... Complies
- E. **Salt Spray (Fog)** ASTM B117 No visible (1000 hrs. exposure) degradation
- F. **Resistance to Wind-Driven Rain**
Fed. Spec. TT-C-558 (8 hrs.) and TT-P-0035 (24 hrs)
At 5" water pressure and 60 gal./hr. water flow, no water or dampness noted on back of test panels.
- G. **Impact Resistance** MIL-D-3134 Complies
- H. **Flexural Strength** ASTM C580 195 psi
- I. **Water Vapor Transmission** ASTM E96 (Procedure A)..... 1,958 perms/inch
- J. **Freeze/Thaw** ASTM C67 (Method B)
Weight loss after 60 cycles No defects or weight from 80°F to - 50°F

3. OVERVIEW OF INSTALLATION STEPS

- Apply two coats of Resistite Microtopping by trowel or squeegee.
- A. Sand to smooth surface.
 - B. Apply third coat by trowel or squeegee.
 - C. Optional fourth coat is used to create a mottled effect.
 - D. Topcoat with epoxy, urethane or polyurea for the desired end appearance.

4. PRODUCT AVAILABILITY

Crossfield Products Corp. maintains offices and factories at addresses listed below. Factory Trained Contractors are established in all major trading areas in the United States, Canada and various European, Latin American and Far East nations.

5. SKID RESISTANCE and CLEANABILITY

In general, the more aggressive the finished surface the greater the coefficient of friction and corresponding skid 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.

System Description Sheet

Resistite Microtopping Decorative and Protective Copolymer Cementitious Coating

6. CLEANING

Cleaning and disinfecting compounds and cleaning techniques can affect the color, gloss, texture and performance of the system. As a precautionary step, Crossfield recommends that the end-user test their cleaning and disinfecting compounds on a sample or on a small, out of the way finished area, utilizing the intended cleaning technique prior to cleaning the entire surface area. If no deleterious effects are observed, the procedure can be continued. If the cleaning and disinfecting compounds or cleaning techniques damage the system, modification of the cleaning material or techniques will be required. Contact your Representative for additional information.

7. SPECIFICATION ASSISTANCE

Consult Crossfield Products Corp. for specification assistance, detailing, etc. This consultation is highly recommended prior to specification.

8. CHEMICAL RESISTANCE

See Crossfield Products Corp's. Chemical Resistance Guidelines for chemical resistance of a product or system, as well as the types of test performed:

- ASTM C868 Standard Test Method for Chemical Resistance of Protective Lining.
- ASTM C267 Standard Test Method for Chemical Resistance of Mortars, Grouts, and Monolithic Surfacing and Polymer Concretes.
- ASTM D1308 Standard Test Method for Effect of Household Chemicals on Clear and Pigmented Organic Finishes.
- Crossfield Products Corp. Proprietary Testing.

Note: Chemical resistance is a functional test, usually limited to changes in weight or thickness measured in loss or gain and does not evaluate subject aesthetic issues. To determine aesthetic issues, Crossfield recommends testing the products or system in accordance with intended end use.

9. TESTING

The technical data contained herein is the result of tests made in Crossfield's laboratories or in independent laboratories using small scale equipment, following generally accepted trade practices. Although this information is believed to be true and accurate, the use of different equipment for testing under dissimilar conditions or the testing of samples produced under dissimilar conditions may develop substantially different results.

LIMITED WARRANTY

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

Crossfield Products Corp. warrants to the purchaser of its products that such products are free from manufacturing defect. Crossfield does not warrant or guarantee the workmanship performed by any person or firm installing its products. Crossfield's obligation under this warranty is limited solely to the original purchaser and solely to the remedy of replacement in kind of any product which Crossfield sold which may prove defective in manufacture within one year from date of installation, provided said product was stored correctly and installed within the product's shelf life, by the original purchaser and which Crossfield examination shall disclose to Crossfield's satisfaction to be thus defective.

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CAUTION: ALWAYS KEEP OUT OF THE REACH OF CHILDREN.



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