

DEX-O-TEX

Product Description Sheet

RESISTITE MICRO-TOPPING

Decorative and Protective Copolymer Cementitious Coating



1. PRODUCT DESCRIPTION

A. COMPOSITION

Resistite Micro-Topping 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 Micro-Topping 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 Micro-Topping, 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 Micro-Topping 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 Aero-Flor II aliphatic polyester urethane, which are chemical, abrasion and UV stable or topcoated with Posi-Tred CR when subjected to extreme environmental conditions or Elastaglaze, which is a high chemical and abrasion resistant polyurea topcoat.

Under normal conditions SLT-50 can be walked upon at 70°F (21°C) within 4 to 6 hours after placement. Stains or colorants can usually be applied after 8 to 10 hours.

B. TYPICAL USES

Resistite Micro-Topping 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 Micro-Topping 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 transmission (MVT) in excess of 4.5 lbs/1000 sq/ft/per 24 hr. period per ASTM F1869, may result in delamination, discoloration or improper curing. Use Dex-O-Tex VaporControl™ Primer 100 over substrates, which have MVT emissions that exceed these limits. Consult with Crossfield prior to using VaporControl Primer 100 if moisture vapor transmission exceeds 15 lbs/1000 sq/ft/per 24 hr period per ASTM F1869.

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

- | | |
|---|---|
| A. Compressive Strength ASTM C109
(2"x2" cubes) | 2,440 psi |
| B. Tensile Strength and Elongation ASTM C190 | 430 psi |
| C. Flammable Properties ASTM E84
(Steiner tunnel Test) | Flame Spread 4
Smoke Density 0 |
| D. Fire Resistance UL-790, Class A | Complies |
| E. Salt Spray (Fog) ASTM B117
(1000 hrs. exposure) | No visible
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

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

4. PRODUCT AVAILABILITY

Crossfield Products Corp. maintains offices and/or factories at all 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.

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. INVOICES 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's examination shall disclose to Crossfield's satisfaction to be thus defective.

IN NO EVENT SHALL CROSSFIELD PRODUCTS CORP. BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES. THIS WARRANTY IS EXPRESSLY GIVEN IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR USE AND ALL OTHER OBLIGATIONS OR LIABILITIES ON CROSSFIELD'S PART, AND WE NEITHER ASSUME NOR AUTHORIZE ANY PERSON OR PERSONS TO ASSUME FOR US ANY OTHER LIABILITY IN CONNECTION WITH SALE OF A CROSSFIELD PRODUCT. THIS WARRANTY SHALL NOT APPLY TO ANY OF CROSSFIELD'S PRODUCTS, WHICH HAVE BEEN SUBJECT TO ADULTERATION, ALTERATION ABUSE OR MISUSE. CROSSFIELD PRODUCTS CORP. MAKES NO WARRANTY WHATSOEVER IN RESPECT TO ACCESSORIES, PARTS OR MATERIAL NOT SUPPLIED BY CROSSFIELD PRODUCTS CORP., WHICH ARE USED IN CONNECTION WITH ITS PRODUCTS. THE TERM "ORIGINAL PURCHASER" IN THIS WARRANTY MEANS THAT PERSON, CORPORATION OR ENTITY TO WHOM CROSSFIELD PRODUCTS CORP. SOLD ITS PRODUCTS. ANY ACTION TO ENFORCE ANY WARRANTY OR FOR BREACH OF CONTRACT OR ARISING OUT OF ANY CLAIM AGAINST CROSSFIELD PRODUCTS CORP. SHALL BE COMMENCED AND MAINTAINED ONLY IN A COURT OF COMPETENT JURISDICTION IN THE CONTINENTAL UNITED STATES OF AMERICA. THE PURCHASER ACCEPTS THESE TERMS AND CONDITIONS, AND HEREBY EXPRESSLY WAIVES ANY CLAIM TO ADDITIONAL DAMAGES.

CAUTION: ALWAYS KEEP OUT OF THE REACH OF CHILDREN.



DEX-O-TEX Product Line Crossfield Products Corp.

**Western Division
3000 E. Harcourt Street
Rancho Dominguez, CA 90221
310-886-9100
310-886-9119 fax**

**Eastern Division
140 Valley Road
Roselle Park, NJ 07204
908-245-2800
908-245-0659 fax**

www.dexotex.com