

# DEX-O-TEX

## Product Description Sheet

# RESISTITE PROTECTIVE COATING

## Protective Polymer Modified Cementitious Coating



### 1. PRODUCT DESCRIPTION

#### A. COMPOSITION

Resistite Protective Coating is a multi-use cementitious protective coating designed for application over a broad range of surfaces (concrete, brick, metal, masonry, wood, etc.) for a number of different floor, wall and certain roof uses.

A two-component product, Resistite Protective Coating consists of a unique proprietary rubber-like liquid, which is mixed at the time of application with a cement-aggregate blend. The resulting combination, when applied by brush, trowel, roller or spray, produces a tough, water-retardant coating with many desirable properties. It is installed in typical thickness, is approximately 3/32" (2,4 mm), and lightweight, 1.1 lb psf (5,35 kg/m<sup>2</sup>). Although extremely flexible, the material is notable abrasion resistant. It may be used interior or exterior in the widest range of climates. It restricts water penetration and salt attack.

Resistite Protective Coating 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.

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

Among the proven uses for Resistite are: a durable sidewalk coating over spalled or eroded concrete; a traffic surfacing for automobile parking structures; a very low-permeability stucco-like exterior wall coating for application over concrete, approved insulation board or existing stucco; a resurfacing and restoration coating for all types of masonry; a skid resistant floor and deck application; a traffic surface for concrete balcony decks; etc.

#### C. ADVANTAGES AND LIMITATIONS

##### ADVANTAGES:

1. Water-retardant.
2. Thin-section.
3. Skid resistant and abrasion-resistant.
4. Low cost.
5. 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 6.0 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)

- |  |                    |
|--|--------------------|
| <b>A. Compressive Strength</b> ASTM C109   | 2,440 psi          |
| (2" x 2" cubes)  |                    |
| <b>B. Tensile Strength &amp; Elongation</b> ASTM C190  | 430 psi            |
| <b>C. Flammable Properties</b>   |                    |
| ASTM E84   | Flame Spread 4     |
| (Steiner tunnel Test)  | Smoke Density 0    |
| <b>D. Fire Resistance</b> UL-790, Class A  | Complies           |
| <b>E. Salt Spray (Fog)</b> ASTM B117   | No visible         |
| (1000 hrs. exposure)   | degradation        |
| <b>F. Resistance to Wind-Driven Rain</b>   |                    |
| 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. |                    |
| <b>G. Impact Resistance</b> MIL-D-3134   | Complies           |
| <b>H. Flexural Strength</b> ASTM C580  | 195 psi            |
| (Modulus of Rupture)   |                    |
| <b>I. Water Vapor Transmission</b> ASTM E96  |                    |
| (Procedure A)  | 1.958 perms-inches |
| <b>J. Freeze/Thaw</b> ASTM C67   |                    |
| No defects or weight (Method B) weight loss after 60 cycles from -50°F to 80°F.                      |                    |

### 3. OVERVIEW OF INSTALLATION STEPS

- A.** Apply first coat of Resistite Protective Coating by masonry brush or broom. Thoroughly "scrub" into surface.
- B.** Apply second and a third coat when heavy traffic requires by trowel, spray, roller or brush.
- C.** Clear or color Coat – Apply two coats by roller, brush or sprayer to produce a variety of architectural finishes (faux, brick, stone, tile, etc.) or for concrete resurfacing and protection.

#### 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.

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**CAUTION: ALWAYS KEEP OUT OF THE REACH OF CHILDREN.**



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