

1. PRODUCT DESCRIPTION

A. COMPOSITION

Posi-Tred L is an epoxy coating system for use over concrete or other sound substrates (consult CPC) or used as a top coat over Dex-O-Tex Cheminert flooring systems and other Dex-O-Tex composite floors. Posi-Tred L is a multi-component material consisting of an epoxy resin and hardener, or epoxy resin, hardener and pre-engineered aggregates. The components are mixed together and troweled or squeegeed in place and back rolled to produce the desired finish. It is usually installed at a finished thickness ranging from 8 mils (0.20mm) to 32 mils (0.82mm) dft.

Posi-Tred L may be installed to produce a smooth finish or in five different skid resistant profiles ranging from very fine to very coarse. Profile selection should depend upon the degree of skid resistance desired, cleaning characteristics desired and the finished appearance.

Posi-Tred L meets all AQMD regulations for VOC content. It has an extremely low odor and is free from toxic effect on applicators or personnel exposed during placement and cure.

Posi-Tred L can be used for interior service. For exterior service, consult with Crossfield prior to use. It is available in a wide range of standard colors and custom colors.

B. TYPICAL USES

Skid resistant surfaces are intended to provide a degree of skid resistance consistent with the intended end use, ranging from dry to wet environments for commercial, industrial and institutional use. It is used in manufacturing operations, stairs, ramps, and walkways-both exterior and interior. The material can be applied over new or existing concrete, ceramic tiles, metal surfaces or Dex-O-Tex composition floors.

C. ADVANTAGES AND LIMITATIONS

ADVANTAGES:

1. Can be applied over a wide range of surfaces.
2. No significant odor during installation.
3. Resists most common chemical spillage.
4. Wide range of color and profile selection.
5. Installed only by Professional Factory Trained Dex-O-Tex Contractors.

LIMITATIONS:

1. Discoloration may occur under UV exposure, use Dextox Quik-Glaze where UV stability is required.
2. Temperature during application must be a minimum of 55°F (12.8°C)
3. Cracks in the substrate may reflect through the coating. A crack isolation membrane can be installed prior to system application.
4. Polymer floor coatings, including those manufactured by Crossfield Products Corp., may show staining of tire marks from some brands and types of tires. Crossfield Products Corp. does not warrant its materials against tire staining.
5. Moisture vapor emission rates (MVER) in excess of 3.0 lbs./1000 sq/ft/per 24 hr. period per ASTM F1869, or an rh in excess of 75% per ASTM F2170 may result in

delamination, discoloration or improper curing without proper treatment prior to installation of the flooring system. Consult with Crossfield Products Corp. for specific recommendations.

6. 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. **Tensile Strength** ASTM D638..... 1,200 psi

B. **Adhesion** ASTM D4541..... > 400 psi
(100% failure in concrete)

C. **Adhesion** ASTM D3359 (cross hatch) No Loosening

D. **Coefficient of Friction-Rubber Shoe Surface**
(MIL-D-3134 Test Procedure)

Profiles	Static Friction Saltwater Solution on surface	Static Friction Oil on surface	Sliding Friction Saltwater Solution on surface	Slide Friction Oil on surface
Fine	0.95	0.75	0.89	0.44
Medium	1.03	0.75	0.95	0.45
Coarse	1.09	0.85	1.00	0.56
Very Coarse	1.24	0.88	1.04	0.59

E. **Overall Thickness (Dry Film) to Top of Skid Resistance**

Aggregates

Very Fine Profile.....	18 mils
Fine Profile.....	22 mils
Medium Profile.....	32 mils
Coarse Profile.....	50 mils
Very Coarse Profile.....	65 mils

F. **Chemical Resistance** ASTM D1308

(See Chemical Resistance Chart for Additional Data)

Citric Acid (70%).....	No effect
Hydrochloric (10%).....	No effect
Sulfuric Acid (50%).....	No effect
Lactic Acid.....	Discoloration
Beef and Bacon Fat.....	No effect
Hydraulic Fluid.....	No effect
Urine.....	No effect

G. **Resistance to Immersion** MIL-PRF-23003A** Para. 4.5.11
SAE 10 Oil; Detergent Solution..... No softening, loss of Adhesion or other form of deterioration

H. **Fire Resistance** ASTM E162

Flame Spread Index.....	0
Smoke Deposited.....	2mg

I. **Hardness** ASTM D2240, Shore D75-80

J. **Microbial Resistance** ASTM G21 Passes Rating 1

3. OVERVIEW OF INSTALLATION STEPS

A. If direct to concrete, prepare surfaces by shot blasting, power scarification, etc. to remove laitance, grease, curing agents, etc. prepare in accordance with SSPC SP13.

B. Mix and apply bondcoat, groutcoat, lockcoat or topcoat and backroll.

System Description Sheet

Posi-Tred L Epoxy Coating System

- C. For additional aggressiveness apply additional skid resistant aggregate by broadcasting.
- D. Back roller to smooth trowel or squeegee line and create a stipple with roller.
- E. Apply final coat incorporating skid resistant aggregate and create a stippled finish with roller.

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. 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.

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 THE 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 MATERIALS 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 PRODUCT OR 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.



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