

1. PRODUCT DESCRIPTION

A. COMPOSITION

Colorflake L is a seamless, fluid-applied epoxy flooring system that is comprised of a multi-step installation consisting of an epoxy primer basecoat and an epoxy pigmented receivingcoat, which is broadcast with decorative vinyl chips, followed by a topcoat of clear aliphatic polyester urethane. The decorative vinyl chips can be broadcast from sparse to full, depending on desired look. The receivingcoat is available in a wide range of background colors plus several vinyl chip colors.

Colorflake L provides durability and decorative appearance at a very economical cost. It offers good chemical resistance to most materials spilled in light manufacturing and vehicle service areas. The material is VOC compliant although the final coat does have some solvent odor during application.

It is finished with the next generation of urethane topcoats in clear gloss or matte finish. Dex-O-Tex Quik-Glaze is an aliphatic polyurea, they are tough, high solids, chemical resistance and UV stable.

It is available in an Antimicrobial Additive incorporating an antimicrobial biocide, which protects against growth of algae, bacteria, fungi, mold, mildew, yeast, etc.

B. TYPICAL USES

Floor surfacing for service bays, light manufacturing locker rooms, show rooms, food service areas, laboratories, etc.

C. ADVANTAGES AND LIMITATIONS

ADVANTAGES:

1. A seamless, decorative flooring at moderate cost.
2. Excellent gloss, cleanability and abrasion resistance.
3. Resists wide range of service chemicals.
4. Complies with VOC regulations.
5. Installed only by Professional Factory Trained Dex-O-Tex Contractors.

LIMITATIONS:

1. Discoloration may occur under UV exposure, use Dexotex Quik-Glaze where UV stability is required.
2. Moving cracks in concrete may reflect through finish.
3. A waterproofing and crack isolation membrane can be installed prior to system application.
4. Moisture vapor emission rates (MVER) in excess of 3.0 lbs./1000 sq. ft./per 24 hour period per ASTM F1869, or an rh in excess of 78% 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.
5. 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 D695 9,000 psi
 - B. **Tensile Strength** ASTM D638 1,200 psi
 - C. **Hardness** ASTM D2240 Shore D 80-85
 - D. **Impact Resistance** ASTM D2794 Passes
 - E. **Flexibility** ASTM D1737**,
180° Bend, 3/4" Mandrel Passes
 - F. **Adhesion** ASTM D4541 >400 psi
(100% failure in concrete)
 - G. **Thermal Shock Resistance** ASTM D1211*
Cycle of immersion in boiling water 10 mins.
Followed by ice water 10 mins. Passes 6 cycles
 - H. **Co-efficient of Static Friction** ASTM F609
Dry – Rubber 0.68, Leather 0.71
 - I. **Microbial Resistance** ASTM G21 Passes Rating 1
 - J. **Chemical Resistance**
(See Chemical Resistance Chart for Additional Data)
(ASTM D1308/Spot Test Uncovered for 24 hours)
- | | |
|-------------------------|--------------|
| Betadine | Slight Stain |
| Gasoline | No effect |
| Hydraulic Fluid | No effect |
| Hydrochloric Acid 30% | No effect |
| Hydrogen Peroxide 50% | No effect |
| Isopropyl Alcohol | No effect |
| Motor Oil | No effect |
| Nitric Acid 20% | No effect |
| Phosphoric Acid 20% | No effect |
| Salt Water | No effect |
| Skydrol | No effect |
| Sodium Hypochlorite 15% | No effect |
| Sodium Hydroxide 50% | No effect |
| Sulfuric Acid 50% | No effect |
| Toluene (Toluol) | No effect |

3. OVERVIEW OF INSTALLATION STEPS

- A. Prepare surface by careful and thoroughly remove all laitance, grease, foreign matter.
- B. Spread primer and pigmented bodycoat by squeegee and backroll in two coats to achieve a uniform thickness.
- C. Broadcast decorative vinyl chips into wet bodycoat.
- D. Apply clear urethane coating by 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.

Colorflake L Flooring

System Description Sheet

Decorative Colored Flake Epoxy Floor with Integral Covebase

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.

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CAUTION: ALWAYS KEEP OUT OF THE REACH OF CHILDREN.



DEX-O-TEX PRODUCT LINE Crossfield Products Corp.

West Coast Office
3000 E. Harcourt Street
Rancho Dominguez, CA
90221
310-886-9100
310-886-9119 fax

East Coast Office
140 Valley Road
Roselle Park, NJ
07204
908-245-2800
908-245-0659 fax

www.dexotex.com