

DEX-O-TEX

System Description Sheet

COLORFLAKE L FLOORING

Decorative Colored Flake Epoxy Floor with Integral Covebase



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 Aero-Flor II aliphatic polyester urethane, they are abrasion, chemical and UV resistance.

It is available in the Dexicide series incorporating an anti-microbial 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. Moving cracks in concrete may reflect through finish.
2. A waterproofing and crack isolation membrane can be installed prior to system application.
3. Moisture vapor transmission (MVT) in excess of 3.0 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)

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 (100% failure in concrete)	>400 psi
G. Thermal Shock Resistance ASTM 1211 Cycle of immersion in boiling water 10 mins. Followed by ice water 10 mins.	Passes 6 cycles
H. Co-efficient of Static Friction ASTM C609 Dry – Rubber 0.68, Leather 0.71	
I. Microbial Resistance ASTM G21	Passes
J. Chemical Resistance (See Chemical Resistance Chart for Additional Data) (ASTM D-1308/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
Isopropal 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.

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.

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CAUTION: ALWAYS KEEP OUT OF THE REACH OF CHILDREN.



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