

1. PRODUCT DESCRIPTION

A. COMPOSITION

Elastaflake RFS is a fluid applied composite flooring system including a primer, elastomeric polyurethane cushion coat, decorative color chips and high performance stain resistant polyaspartic top coats designed primarily for use as a resilient specialty flooring system that is seamless and waterproof, ideal for heavy uses in hospitals, clinics, clean rooms, sterile or surgical environments.

The Elastaflake RFS system incorporates a specially formulated rubberized urethane basecoat that provides a soft resilient feeling underfoot and reduces physical fatigue. The system is turned up vertical surfaces, walls, cabinet bases, etc. to form an integral cove base and provide a clean hygienic environment that is easy to clean and maintain.

The topcoat is a tough, durable coating that is chemical and ultraviolet light resistant. Its hard glaze finish provides long term service with good gloss retention and high abrasion resistance. Available in gloss or satin finishes.

Elastaflake RFS is available in attractive decorative chip blend designs or solid colors with or with slip resistant aggregate.

Designed primarily as a seamless resilient system for surfaces such operating suites, emergency rooms, laboratories, patient rooms, hallways, passage ways, mechanical equipment and utility rooms, etc. Elastaflake RFS may be installed over a wide variety of surfaces including: new and exiting concrete, metal and plywood. Consult Crossfield regarding other surfaces.

B. TYPICAL USES

It has excellent crack-bridging and low temperature flexibility characteristics. It is designed to protect concrete surfaces from spalling, scaling, chemical attack or any other damage. Elastaflake RFS provides a sound reducing, sound dampening and impact resistant resilient traffic surfacing for greater comfort and protection.

C. ADVANTAGES AND LIMITATIONS

ADVANTAGES:

1. Monolithic, including integral flashing.
2. Resilient and comfortable underfoot.
3. Reduces sound transmission to adjacent areas.
4. Non-flammable during installation.
5. Environmentally safe.
6. VOC compliant, exceeds all federal, state and AQMD VOC (volatile organic compound) requirements.
7. Installed only by Professional Factory Trained Dex-O-Tex Contractors.

LIMITATIONS:

1. Substrates must be dry when material is applied.
2. Not designed for Heavy treaded vehicle use.
3. 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.

4. 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. **Weight** 1.07 lbs. per sq. ft.
- B. **Thickness (typical)** 1/8" (3.16 mm)
- C. **Adhesion** ASTM D4541..... > 473 psi
(100% failure in concrete) ----- (28.1 kg/cm)
- D. **Tensile Elongation** ASTM D412500%
- E. **Tensile Strength** ASTM D412 1,050 psi
- F. **Waterproofness** (sample exposed to 50 psi water pressure. for one hour) No Water Transmission
- G. **Water Resistance** MIL-PRF-1044 16 mg
- H. **Hardness** ASTM 2240, Shore D 80 - 85
- I. **Crack Bridging and Low Temperature Flexibility** ASTM C836 Complies
- J. **Microbial Resistance** ASTM G21 Passes Rating 1
- K. **Moisture Absorption** > 0.40%
- L. **Indentation Resistance** (2,000 PSI 1 hr.) > 03.0
- M. **Fire Resistance (MIL-STD- 1623)** Passes

3. OVERVIEW OF INSTALLATION STEPS

- A. Prepare surface by careful and thorough removal of laitance, grease, concrete curing agents and foreign matter. Prepare in accordance with SSPC SP13
- B. Apply VCP 200 epoxy primer by roller.
- C. Apply Elastaflake RFS basecoat by notch trowel, gauge rake or finish trowel.
- D. Apply color/receiving coat of Elastaflake RFS by trowel/roller/spray and broadcast decorative color chips into cured basecoat.
- E. Apply two finish coats of Quik-Glaze Sealer and any other optional top coats.

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

System Description Sheet

Resilient Flooring System Seamless Specialty Surfacing System

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.

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CAUTION: ALWAYS KEEP OUT OF THE REACH OF CHILDREN.



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