

1. PRODUCT DESCRIPTION

A. COMPOSITION

Quik-Glaze is a state of the art, high solids, and UV stable, aliphatic elastomeric polyurea. Quik-Glaze displays a low odor during placement and cure. It offers fast turnaround times. Unlike most commercially available polyureas Quik-Glaze does not require the use of plural component spray apparatus. Quik-Glaze has been specially formulated to have a working time of 20 minutes with a hard dry in 5 hours at 75°F (24°C). It is available in clear and pigmented.

When fully cured Quik-Glaze will provide added durability to most types of floors such as Decor-Flor, Microtopping, Stamp-Cote, Colorflake, stained concrete and many more. Quik-Glaze's properties make it one of the very best sealers for maintaining and preserving elaborate decorative finishes.

Quik-Glaze is extremely color stable and displays excellent UV weathering characteristics.

B. TYPICAL USES

Quik-Glaze adheres well to many substrates including cementitious polymer modified overlays, concrete, steel and resinous floors. The balance of fast turn around time, excellent abrasion resistance, flexibility and elongation is well suited for various harsh applications. Some typical floor applications include: Cold storage areas, food service preparation areas, beverage service areas, decorative entry foyers, high traffic areas, promenade decks and roof decks, labs, pharmaceutical production, and areas exposed to chemical use (see chemical resistance chart).

C. ADVANTAGES AND LIMITATIONS

ADVANTAGES:

1. Fast cure.
2. High elongation.
3. High tear strength.
4. Excellent abrasion resistance.
5. Displays excellent UV resistance.
6. High gloss finish.
7. Resistant to chemicals (Refer to Quik-Glaze Chemical Resistance Chart).
8. Installed only by Professional Factory Trained Dex-O-Tex Contractors.

LIMITATIONS:

1. Rapid cure means a corresponding short working time, may require additional crew members to maintain wet edge.
2. This coating displays excellent abrasion resistance and physical properties but can still be cut. Proper precautions should be taken to eliminate sharp objects from "slicing" the coating.
3. 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.
4. 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 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. **Tear Strength** ASTM D624, Die C..... 879 lbs/in
- B. **Flexibility** ASTM D1737**..... Passes 180 degree bend, 1/8" Mandrel
- C. **Tensile Strength** ASTM D412..... 2,400 psi
- D. **Tensile Elongation** ASTM D412..... 100%
- E. **Taber Abrasion** ASTM D4060..... 8 mg loss (CS17 Wheel, 1000g Load, 1000 Cycles)
- F. **Impact Resistance** ASTM D2794
 - Direct..... 160 in/lbs
 - Reverse..... 160 in/lbs
- G. **Hardness** ASTM D2240 Shore A..... 85-90
- H. **Solid Percent by Weight** (calculated)..... 95%
- I. **Gloss** ASTM D523..... 90+
- J. **Dry Time** 50% relative humidity
 - Surface Dry..... 5 hrs
 - Hard Dry..... 12 hrs
- K. **Pot Life** 50% relative humidity..... 20 min
- L. **Coefficient of Friction** ASTM D2047..... 0.67 dry (slip resistance with leather footwear)..... 0.82 wet
- M. **Microbial Resistant** ASTM G21..... Passes Rating 1
- N. **Chemical Resistance Test Procedures**

The tabulation of chemical damage is intended as a general guide only. Much more extensive tables of chemical resistance are available from Crossfield, including tests conducted on reagents at higher temperatures, etc. The Crossfield laboratories are available to conduct specialty testing on particular chemicals under simulated service conditions. (See Chemical Resistance Chart)

CHEMICAL RESISTANCE ASTM D543, 24 Hour Immersion

| ACIDS (Organic) | Rating | Weight Change |
|--------------------------------|--------|---------------|
| Citric Acid (1%) | NA | +5% |
| Lactic Acid (10%) | D | +17% |
| ACIDS (Mineral) | | |
| Sulfuric Acid (10%) | NA | +6% |
| Sulfuric Acid (30%) | C | +100% |
| SOLVENTS | | |
| Isopropyl Alcohol (99%) | C | +90% |
| ALKALIS | | |
| Sodium Hydroxide (10%) | NA | +2% |
| Sodium Carbonate (2%) | NA | +5% |
| Sodium Hypochlorite (5%) | NA | +3% |
| MISCELLANEOUS COMPOUNDS | | |
| Mineral Oil | NA | <1% |
| Vegetable Oil | NA | <1% |
| Aviation Gasoline | NA | +10% |
| Diesel Fuel | NA | +4% |

Rating System

NA = No Attack; D = Deglossed But no Physical Attack; C = Chemical Damage

3. OVERVIEW OF INSTALLATION STEPS

- A. Prepare surfaces by removal of laitance, grease, foreign matter, etc. Repairs damaged concrete or provide sloping using Dex-O-Tex Underlayment.
- B. Apply 500W Primer.
- C. Apply Quik-Glaze - 225 sq. ft. per gallon.

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. 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

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CAUTION: ALWAYS KEEP OUT OF THE REACH OF CHILDREN.



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