



FLEXSTONE CLEAR COAT

CLEAR POLYURETHANE MAINTENANCE COATING

1. PRODUCT

MULT-I-GLAZE is a single component, liquid applied, moisture cured, abrasion-resisting polyurethane maintenance coating. It is based on an aliphatic (non-yellowing) isocyanate with a saturated polyester backbone. MULT-I-GLAZE has a high gloss finish upon curing.

2. FEATURES

Composition: A single component, solvent borne, clear, high performance, moisture cured polyurethane. MULT-I-GLAZE cures to yield a high gloss finish in order to maximize stain resistance. The physical properties of cured MULT-I-GLAZE are relatively unaffected over extended periods of exterior exposure.

Basic Uses: MULT-I-GLAZE is designed to coat concrete, metal and wood surfaces for exterior applications. The coating will assist to minimize dirt and oil penetration. It is easily cleaned with water and detergent and provides a high gloss, bright appearance. MULT-I-GLAZE is extremely wear resistant compared to conventional paints and coatings. It is resistant to most commonly encountered dilute acids, alkalis, organic solvents and oils as well as many dry chemicals. MULT-I-GLAZE is used as a topcoat in FLEXSTONE Decorative Aggregate Surfacing Systems. It will brighten an exposed aggregate, highlighting the color of the aggregate. It is also used as a clear dress up top coat for other FLEXSTONE Pedestrian Traffic Waterproofing Systems.

Limitations: Containers that have been opened must be used within one or two days, since the product is a moisture-reactive material that will gel or set up when exposed to air. Keep lid tightly sealed when material is not in use. Surfaces to be coated must be clean, dry and free of contaminants.

MULT-I-GLAZE cures faster when applied under warm temperature and high humidity conditions and slower when applied under cool temperature and low humidity conditions.

Shelf life: Twelve (12) months after manufacture when continuously stored indoors in the original unopened metal containers at temperatures below 80°F.

3. INSTALLATION

Surface Preparation: All surfaces to be coated must be clean, dry and free of all contaminants. It is recommended that concrete be cleaned by sandblasting or acid etching. Metal surfaces must have no oxidation present prior to coating. Ceramic tile should be degreased or stripped to remove any wax on the surface. Wood and aggregate should be cleaned with a detergent and rinsed with water under pressure. The appropriate primer or base coats should be used in all cases.

4. AVAILABILITY

Application: MULT-I-GLAZE shall be spray, roller, or brush applied at a rate of 80 to 150 square feet per gallon in a manner resulting in a 6 to 10 mil average dry film thickness. Additional coats may be applied after an overnight cure, but no later than 36 hours after initial application. The completed coating system should not be subjected to any pedestrian traffic during the first 48 hours after application is completed. In certain applications, where a rapid cure may be desirable, FLEXSTONE Accelerators may be added to reduce cure time. Do not proceed with application of materials when surface temperature of substrate to be coated is less than 45°F.

5. TECHNICAL SERVICE

Technical Assistance is available by contacting:
FLEXSTONE COATINGS

6. PRECAUTIONS

Before using this product read the container precautionary label and MSDS sheet carefully. Personnel applying the coating should wear protective clothing and gloves, avoid contact of material with skin or eyes, and avoid breathing vapors. Mix and apply in well ventilated areas and observe normal safety precautions. Keep materials away from heat, sparks, and flames. Do not allow use of spark producing equipment during application and until all solvent vapors are gone. Post "No Smoking" signs. Store materials in a dry place at temperatures between 50°F and 80°F.

7. LIMITED WARRANTY

Flexstone warrants this product to be free of defects in workmanship and materials only at the time of shipment from our facility. If any FLEXSTONE materials prove to contain manufacturing defects that substantially affect their performance, FLEXSTONE will, at its option, replace the materials or refund its purchase price.

This limited warranty is the only warranty extended by FLEXSTONE with respect to its materials. There are no other warranties, including the implied warranties of merchantability and fitness for a particular purpose. FLEXSTONE specifically disclaims liability for any incidental, consequential, or other damages, including but not limited to, loss of profits or damages to a structure or its contents, arising under any theory of law whatsoever.

The dollar value of FLEXSTONE's liability and buyer's remedy under this limited warranty shall not exceed the purchase price of the FLEXSTONE material in question.

8. TECHNICAL DATA

FLEXSTONE URETHANE CLEAR COAT

PROPERTY	TYPICAL VALUE	ASTM TEST METHOD
Solids Content (By Weight)	62 +/- 2%	D-1353-78
Weight Per Gallon	8.4 ± 0.2 lbs.	D-1475-60
Viscosity @ 77°F	600-900 cps	D-2393-80
Cure Time @ 77°F, 50% R.H. @ 5 mils	16 hours dry to touch 72 hours complete cure	-----
Coverage, Sq. Ft., Per Gal. @ 8 mils	100	
Flash Point	Above 116°F	D-1310-82
Tensile Strength	4500 ± 500 psi	D-412-80
Ultimate Elongation	250 ± 50%	D-412-68
Hardness, Shore A	90	-----
Moisture Vapor Transmission @ 10 mils	0.2 perms	D-3389
Abrasion Resistance (inch loss)	Less than .001	C-502 Tabor Abrasion, 1000 Rev. with 1000 Gm. Weight, CS-17 wheel
Chemical Resistance (Commonly encountered acids, salts, and oils)	Excellent	D-543-67
Service Temperature Range	-40°F to 185°F	D-1349-78
Thermal Shock	No loss of adhesion	Alternate Heat/Cold Cycle

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