

DUR-A-GLAZE #4 FLEX RESIN

DESCRIPTION

DUR-A-GLAZE #4 FLEX RESIN is the resin component of a tough, high quality, 100% solids, elastomeric high build epoxy coating. It is applied on floors and molded up onto vertical areas, over curbs, etc. as a seamless elastomeric membrane. It can be applied to virtually any shape or contour by brush, paint roller, trowel or squeegee. It is mixed with one of the DUR-A-GLAZE #4 hardeners to suit your particular application requirements. Please review the LIMITATIONS section of this sheet for restrictions. DUR-A-GLAZE #4 FLEX RESIN is designed for use beneath epoxy flooring systems and as a base coat for vinyl chip seamless flooring. It can also be thickened and used as a crack & joint filler. DUR-A-GLAZE #4 FLEX RESIN can be applied on properly prepared concrete, plywood, and quarry tile.

BENEFITS

- No Solvents
- Good resistance to salt, oil, gasoline, detergents
- Excellent adhesion
- Low odor
- Elongation 150%

LIMITATIONS

Minimum temperature of 55°F is required during curing period. DUR-A-GLAZE #4 FLEX RESIN must be applied at a uniform film thickness to provide proper protection. **Do not use the Flex Resin with DUR-A-GLAZE #4 “Cold Cure” HARDENER, as insufficient cure will result. Also, by curing it with DUR-A-GLAZE #4 “Water Clear,” a water-clear appearance will not be achieved.**

TYPICAL USES

- Kitchens
- Wet Processing Areas
- Control Joints
- Cagewash Areas
- Secondary Containment
- Mechanical Rooms
- Medical Research Labs
- Shower Rooms
- Drum Storage Areas

COLORS

DUR-A-GLAZE #4 FLEX RESIN is produced clear but can be tinted by adding 20% DUR-A-GARD resin to the DUR-A-GLAZE #4 FLEX RESIN. DUR-A-GLAZE #4 FLEX RESIN is available in 15 standard colors. Please refer to the Standard Color Chart on our website. Custom colors are available upon request.

PACKAGING

DUR-A-GLAZE #4 FLEX RESIN is available in 1-gallon cans, 5-gallon pails, and 50-gallon drums.

SURFACE PREPARATION

This product requires preparation in order to perform as expected. Substrate must be profiled clean, sound, and dry. Please refer to the master Surface Preparation Guide on our website for more information.

APPLICATION METHOD/SPREAD RATES

DUR-A-GLAZE #4 FLEX RESIN is typically applied with a notched trowel or squeegee at various spread rates. Surface profile and amount of expansion and contraction determines the required spread rate. A coarse surface requires more DUR-A-GLAZE #4 FLEX RESIN. A spread rate of 100 square feet per gallon will yield an application thickness of 16 mils.

SPECIAL PURPOSE FORMULATIONS

DUR-A-GLAZE #4 FLEX “Regular”– For use on most typical installations, for normal use.

DUR-A-GLAZE #4 FLEX “Fast”- For quick turn around time in room temperature areas.

DUR-A-GLAZE #4 FLEX “Damp Primer” - For use as a Prime-Coat or a Base-Coat on freshly acid etched concrete or when a surface cannot be dried thoroughly.

JOINT GUIDELINES

Refer to the Joint Guidelines for complete details on our website.

DUR-A-GLAZE #4 FLEX RESIN

TECHNICAL INFORMATION

	<u>Hardener</u>	<u>Resin</u>
<u>Physical Properties</u>		
Composition	Dur-A-Glaze #4 Hardener	Modified epoxy resin
Color	Clear	Clear
Solids Content	100%	100%
Viscosity at 70°F	750 cps	1700 cps
Weight per Gallon	8.1-8.8 lbs.	9.10 lbs.
Mix Ratio by Volume	1 part	2 parts
Flash Point, Closed Cup Test	218°F	335°F
Working Time at 70°F	Dur-A-Glaze #4 Regular 25 minutes Dur-A-Glaze #4 Fast 13 minutes Dur-A-Glaze #4 Damp Prime 30 minutes	
Re-Coating Time at 70°F	Dur-A-Glaze #4 Regular 8-9 hours Dur-A-Glaze #4 Fast 3-4 hours Dur-A-Glaze #4 Damp Primer 8-9 hours	
Full Cure Time 55°F or higher	7 days	
Dry Film Thickness	16 mils at 100 sq. ft. per gallon	
Water Absorption at 75°F	negligible after 90 days submersion	
Adhesion	equal to or better than unmodified epoxy coatings	
Water Vapor Transmission	ASTM E96 Method B	0.252 perm
Flame Spread / NFPA-101	ASTM E-84	Class A
Tear Strength	ASTM D-624, DIEA	375 psi
Elongation	ASTM D-412	150%
Tensile Strength	ASTM D-412	2,400 psi
Hardness	ASTM D-2240	90 Shore A
Storage Stability	1 year in unopened containers	
Thinner	None required.	
Clean-up	Dur-A-Solve #4, Lacquer Thinner, Xylol, Toulene	
VOC Content	0 g/l	

MOISTURE CONCERNS

Please refer to the Floor Evaluation Flow Chart in the Contractor's Center of our website for a step-by-step process to determine the condition of the concrete.

CLEANING

This product is considered to be a low maintenance flooring solution, however, certain textures and service environments require specific procedures. Please refer to the master Cleaning Guide on our website.

CAUTION

Follow the Hazardous Materials Identification System labeling guide for proper personal protective equipment to use when handling this product. Use only as directed. KEEP OUT OF REACH OF CHILDREN.

Before using any DUR-A-FLEX, Inc. product, be sure the Material Safety Data Sheet is read and understood.