

## **DUR-A-GLAZE #5**

### **DESCRIPTION**

DUR-A-GLAZE #5 is a clear, two-component aliphatic polyaspartic ester high performance polymeric system. It is designed to provide protection against many solvents, acids and chemicals. DUR-A-GLAZE #5 is resistant to deterioration by ultra-violet rays emitted by sunlight, high intensity lighting systems, fluorescent lighting, etc. It is applied as the final topcoat. When the resin and the hardener are combined and mixed thoroughly, an extremely dense chemical cross-linking action occurs. This special cross-linking of the two components produces a coating that provides abrasion resistance equal to or better than ambient temperature cured epoxy or two-component aliphatic urethane systems.

### **BENEFITS**

- Very Fast Curing
- Very Low Odor
- Non-Ambering
- Good Chemical Resistance
- Good Abrasion Resistance
- Good Stain Resistance
- Easy Maintenance

### **LIMITATIONS**

This product is best suited for application in temperatures between 55°F and 85°F. Substrate must be clean, sound, and dry. Do not apply at temperatures below 55°F or above 85°F.

**When recoating Dur-A-Glaze #5 after the re-coat window has passed (24 hours or longer), aggressively sand the floor using a floor machine with 60-100 grit paper to remove gloss then solvent wipe with Xylene. Apply Dur-A-Glaze #5 as stated on the Application Instructions. Dur-A-Glaze Tie-Coat is not needed or recommended as a primer.**

### **TYPICAL USES**

- Protective topcoat for DUR-A-QUARTZ, DUR-A-CHIP, POLY-CRETE MDQ and MDC systems.
- Topcoat for Washrooms, Kennels, Laboratories and Hospitals

### **COLORS**

DUR-A-GLAZE #5 is available clear.

### **PACKAGING**

DUR-A-GLAZE #5 is available in 3-quart pre-measured kits.

### **SURFACE PREPARATION**

This product requires preparation in order to perform as expected. Substrate must be profiled, clean, sound, and dry.

### **APPLICATION METHOD/SPREAD RATE**

DUR-A-GLAZE #5 is typically applied with a brush, squeegee, and 3/8" nap roller at 75 – 225 sq. ft. per kit (100 - 300 sq. ft. per gallon). See Application Instruction Sheet for complete details.

### **JOINT GUIDELINES**

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

### **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.

### **CHEMICAL RESISTANCE**

This product is resistant to many common chemicals. Please refer to the master Chemical Resistance Chart on our website for actual resistance to specific chemicals/reagents. **Note:** Betadine should be removed from flooring surfaces within 4 hours of contact. It may cause staining if left on more than 4 hours.

# DUR-A-GLAZE #5

## TECHNICAL INFORMATION

Mix Ratio, by Volume	2 component kit	
Working Time, 72°F, (parts combined)	10 minutes	
Shelf Life, 72°F	6 months in unopened containers	
Color	Clear	
Viscosity	450 cps at 72°F	
Drying Properties, 72°F, 50% R.H	Touch Dry – 60 minutes	
8 mil wet film	Recoat 3-4 hrs. – Maximum 48 hours	
Hard Dry	4-5 hrs.	
Chemical Resistance	5 - 7 days	
Flash-point, Closed Cup Test	>200°F	
Physical Property	Test Method	Result
60 Gloss	ASTM D-523	90+
Impact Resistance	ML D-2794	>160
Solids by volume		100
Adhesion	ASTM D-4541	400 psi
Hardness – Shore D @ 70°F / 50% RH	ASTM D-2240	75 – 80
QUV	UVB-373/1500hrs	90%
Flexibility (1/4: Cylindrical mandrel)	ASTM D-1737	Pass
Elongation	ASTM D-2370	9%
Tensile Strength	ASTM D-2370	7,000 psi
Coefficient of Friction	ASTM D-2047	>0.6
Abrasion Resistance CS17 wheel (1000g load) 1000 Cycles	ASTM D-4060	15 mg loss
VOC Content		4.93 g/l

### 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

The hardener contains Hexamethylene Diisocyanate (HDI). Persons with asthma, bronchitis, emphysema, or any other respiratory disorder and hypersensitivity must not be allowed to use this product. **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.*