

## 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

### COLORS

DUR-A-GLAZE #5 is available clear.

### TYPICAL USES

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

### 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.

### 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.**

### PACKAGING

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

### 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.

### JOINT GUIDELINES

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

# 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   | ASTM D-3363                        | 3H         |
|  | ASTM D-2134                        | 40+        |
| 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<br>CS17 wheel (1000g load) 1000 Cycles | ASTM D-4060                        | 15 mg loss |
| VOC Content  |                                    | 4.93 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

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.*