



## **DUR-A-GLAZE® GRIND AND SEAL**

### **DESCRIPTION**

DUR-A-GLAZE GRIND AND SEAL is a concrete floor sealing system designed by Dur-A-Flex to enhance and protect prepared concrete substrates, allowing the natural look of sealed concrete to be showcased. DUR-A-GLAZE GRIND AND SEAL features a clear epoxy primer, optional clear epoxy body coat, and a wear resistant urethane topcoat.

### **BENEFITS**

- UV Resistant: Reduced ambering and discoloration
- Performance Topcoat: Adds chemical resistance, reduces wear and dust
- Low Odor, Low VOCs: Install in more locations without offensive odors or harmful Volatile Organic Compounds

### **COLORS**

DUR-A-GLAZE GRIND AND SEAL is available in clear to showcase and enhance the prepared concrete substrate.

### **PACKAGING**

DUR-A-GLAZE #4 epoxy primer and body coat materials are packaged in 1, 5, and 50 gallon containers (~300 sq ft per mixed gallon). ARMOR TOP topcoat Resin and Hardener are sold in kits only and are available in gloss (~550-575 sq ft per mixed kit) or satin (~750-775 sq ft per mixed kit) finishes.

### **COMMON USE SITES**

- Offices
- Storage Areas
- Tool Rooms
- Retail
- Warehouse space

### **SYSTEM GUIDELINES**

This product is best suited for application in temperatures between 60°F and 80°F. Substrate must be clean, sound, and dry.

### **MOISTURE CONCERNS**

Normal limits for moisture vapor transmission are 3 lbs./1,000 sq ft /24 hour using the calcium chloride test per ASTM F-1869 or 75% relative humidity using in-situ Relative Humidity Testing per ASTM F-2170. Core Analysis Testing is available from Dur-A-Flex to provide a measurement of ionic content in the flooring substrate. Please refer to the Floor Evaluation Guidelines or visit our website for more information.

### **CHEMICAL RESISTANCE**

This product is resistant to most common chemicals and cleansers. Please refer to master Chemical Resistance Chart on our website for a full list of resistance to specific chemicals/reagents.

### **SURFACE PREPARATION / JOINT GUIDELINES**

Use a surface grinder or other mechanical means to remove any damaged, contaminated, or unsightly concrete (grind to white concrete) and achieve a CSP of 2, follow by surface grinding with 80-150 grit to remove any witness lines from the concrete surface. Any scoring lines left behind will be visible through the clear coating. **Grind until the visual quality is representative of how the finished product is desired to appear.** Vacuum all dust and debris, and ensure the surface is clean, dry, and free of all contaminants before you begin applying the system. Always honor moving joints as part of the preparation step. Refer to the master Surface Preparation and Joint Guidelines Guide on our website for more information

### **SYSTEM APPLICATION**

1. Prime prepared substrate with DUR-A-GLAZE #4 at 5 mils
2. Apply (optional) body coat of DUR-A-GLAZE #4 at 5 mils
3. Apply ARMOR TOP topcoat at 3 mils

### **MAINTENANCE**

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 or visit our website for more information.

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### TECHNICAL INFORMATION

VOC		Clear - 0 g/L	
Tensile Strength	ASTM D-2370	2,100 psi	
Hardness	ASTM D-3363	>4H	
Taber Abrasion Resistance A&B 1000g load, 1000 cycles, CS-17 wheel after full cure	ASTM D-4060	<u>Satin Finish</u> with grit - 8 mg loss no grit - 12 mg loss	<u>Gloss Finish</u> with grit - 4 mg loss no grit - 10 mg loss
Adhesion	ASTM D-7234	Substrate Failure	
UV Resistance		Excellent	
Static Coefficient of Friction*	ANSI B101.1	>0.6	
Dynamic Coefficient of Friction - Wet*	ANSI A326.3	>0.42	
60° Gloss	ASTM D-523	Satin: 50 +/-10 Gloss: 75 +/-10	
Recoat Window		<24 hours	
Tack Free Time (hrs.)		Armor Top Satin	Armor Top Gloss
90°F, 80% RH		1 hour	1-3/4 hours
90°F, 50% RH		2 hours	3-1/2 hours
90°F, 35% RH		4 hours	5 hours
75°F, 80% RH		1 hour	2 hours
75°F, 50% RH		3 hours	4 hours
75°F, 35% RH		5 hours	6 hours
60°F, 80% RH		2 hours	2-1/4 hours
60°F, 50% RH		3 hours	4 hours
60°F, 35% RH		6 hours	7 hours
Return to Service		24 hours	
Full Chemical Resistance		7 days	

\*Dur-A-Flex flooring systems can be built to meet or exceed the requirements of Static or Dynamic Coefficient of Friction testing per installation. Contact your Dur-A-Flex territory sales manager or tech representative for more information on alternative textures, grit/grip additives, or smooth coatings for your specific environment. A sample should always be obtained and tested prior to purchase for any non-slip flooring system.

#### IMPORTANT!

*Before using DUR-A-FLEX products, read and understand its accompanying Safety Data Sheet & Application Instructions for important safety information.*

STANDARD TERMS AND CONDITIONS OF SALE, INCLUDING STANDARD WARRANTY APPLY - VISIT [DUR-A-FLEX.COM](http://DUR-A-FLEX.COM) FOR THE LATEST VERSION