



## **ELAST-O-COAT**

### **DESCRIPTION**

ELAST-O-COAT Waterproofing Membrane is a tough, high quality, 100% solids, 2 part elastomer-modified, 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.

ELAST-O-COAT is designed for use underneath epoxy flooring systems and as a base coat for vinyl chip seamless flooring to provide a vibration resilient cushion and to deaden sound. It can also be used as a traffic-bearing surface in light traffic areas and as a crack & joint filler. ELAST-O-COAT can be applied on properly prepared concrete, plywood, metal and quarry tile.

### **BENEFITS**

- No solvents
- Very good abrasion resistance for foot traffic
- Cures tack free overnight at 55° F or warmer temp.
- Very good resistance to salt, oil, gasoline, detergents, etc.
- Excellent adhesion
- Elongation 150%

### **LIMITATIONS**

Minimum temperature of 55°F is required during curing period. ELAST-O-COAT must be applied at a uniform film thickness to provide proper protection.

### **TYPICAL USES**

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

### **COLORS**

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

### **PACKAGING**

ELAST-O-COAT 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. Please refer to the master Surface Preparation Guide for more information.

### **APPLICATION METHOD/SPREAD RATES**

ELAST-O-COAT is typically applied with a notched trowel or squeegee at various spread rates. Surface profile and amount of expansion/contraction determines the required spread rate. A coarse surface requires more ELAST-O-COAT.

Film Thickness:	Spread Rate:
20 mils	80 Sq Ft/gal
30 mils	50 Sq Ft/gal.
50 mils	32 Sq Ft/gal.

### **PURPOSE OF ELAST-O-COAT MEMBRANE**

The purpose is to reduce the risk of water passage to occupied areas below the floor in the event it is damaged or the substrate cracks. ELAST-O-COAT membrane greatly reduces crack transmission. It relieves stress that occurs when a substrate cracks or shifts, to prevent the crack from transmitting up through an epoxy floor or coating. ELAST-O-COAT may also be used to fill control joints that aren't moving prior to installation of DUR-A-GARD, SHOP FLOOR, DUR-A-QUARTZ, DUR-A-CRETE, and DUR-A-CHIP epoxy systems. This is done by thickening ELAST-O-COAT with NO-SAG #1. A fiberglass mat can also be embedded into ELAST-O-COAT over control joints or where the floor meets the wall if desired.

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## **TECHNICAL INFORMATION**

<b>Physical Properties</b>	<b>Hardener</b>	<b>Resin</b>
Composition	Modified diamine	Modified epoxy resin
Color	Clear	Clear
Solids Content	100%	100%
Viscosity at 70°F	750 cps	1700 cps
Weight per Gallon	8.44 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	25 minutes after mixing hardener and resin, less time at higher temperatures	
Re-Coating Time at 70°F	Approx. 8 hours minimum, 36 hours maximum	
Full Cure Time 55°F or higher	10 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
Tear Strength	ASTM D-624, DIEA	375 PLI
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	4.34 g/l	

### **GUIDE SPECIFICATIONS**

This product is part of the DUR-A-FLEX family of polymer systems. Please contact DUR-A-FLEX for complete three part guide specs.

### **DRAWINGS AND DETAILS**

Standard CAD drawings and details are available for coves, drains, breaches, transitions, etc. Please contact DUR-A-FLEX for actual drawings.

### **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.

### **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***