



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

Physical Properties	Hardener	Resin
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