



Elasti-Binder, High Performance Polyurethane Coating

Elasti-Binder is a single-component, liquid applied, high tensile strength, polyurethane surface protection coating.

DESCRIPTION

Basic Uses: Elasti-Binder is a wear surface topcoat used in some deck coating systems. The Elasti-Binder is also used as the high strength, high adhesion, aggregate receiving coat in our Elasti-Deck system. Please refer to the pertinent Application-Specification Guide on each of these systems.

FEATURES/BENEFITS

- Single-component Application
- High Strength, High Adhesion & High Elongation
- Excellent aggregate binding qualities
- Withstands extreme environmental conditions
- Easy Application & Rapid Cure
- Designed for demanding exterior applications
- Adds protection to Concrete, Plywood decks, Parking structures, Mechanical equipment pads & areas that require a seamless membrane for protection against water damage
- In some applications, Elasti-Binder can be used as a topcoat membrane

PRECAUTIONS

Before using this product, read the container precautionary label and SDS sheet carefully. Exposure to urethanes or petroleum solvents may cause allergic skin or respiratory

reactions. Do not get into eyes, onto skin, or clothing. If contact occurs, flush the affected areas with soap and water. Wash clothing before re-using them again. Use only with adequate ventilation. Seek medical help for all-over exposures. THIS PRODUCT IS FOR PROFESSIONAL USE ONLY.

INSTALLATION

Surface Preparation: All substrates must be free of all contaminants. As a moisture cure product, the relative humidity should be greater than 30% and less than 90% during application and cure of the product. Each application should be done in one complete step to insure a smooth and level coat with no lines or streaks to disfigure the deck. Application should not be stopped part way across an area and then completed later.

APPLICATION

Elasti-Binder is normally applied at a rate of 95 – 120 square feet per gallon, per coat. If more than one coat is required, allow a minimum of 16 hours and a maximum of 48 hours cure time between coats. Elasti-Binder is easily applied by roller, notched squeegee or notched trowel. Always follow by back rolling. Application should not commence unless the ambient temperature is 40°F or higher and should not proceed during inclement weather. Elasti-Binder is usually used in conjunction with Elasti-Base system. The Elasti-Deck Accelerator may be added to Elasti-Binder to allow for a shorter cure time. Please refer to the Technical Data Sheets on Elasti-Deck Accelerators.

LIMITATIONS

Containers that have been opened must be used within one or two days since the product is a moisture reactive material that will gel or set up when exposed to the moisture in the air. A polyethylene sheet should be used as a blanketing material prior to re-sealing the lid on a partially used container. Prior to the application of the Elasti-Binder, proper surface preparation procedures must be followed. Refer to **Technical Services** for Surface Preparation for plywood and concrete substrates. When used as a topcoat, the surface appearance may become flat, may form a light chalky condition and will have some color change upon prolonged UV exposure. Review technical bulletins for additional information. Elasti-Binder cures faster when applied under warm temperatures and high humidity conditions and slower in a cool and low humidity environment.

SHELF-LIFE

Nine (9) months after manufacture when continuously stored in unopened metal pails at temperatures less than 80°F. Stir thoroughly prior to use.

Technical Data

Cure Time at 77°F, 50% R.H	At 20 Mills 16 – 24 Hours
Mix Ratio By Volume	1:1 Mix well Before Use
Coverage, Sq. Ft./Gal	95 – 120 sq. ft.
Standard Color	Grey & Tan <i>Special colors are available upon request and are subject to minimum manufacturing quantities</i>
VOC Content	250 g/l Calculated

Technical Data

Property Method	Typical Value	Test Method
Solids Content (By Weight)	80% ± 2%	ASTM D-1353
Weight per Gallon	9.7 +/- 0.2 lbs	ASTM D-1475
Viscosity at 77°F 25°C	28 – 38 poise	ASTM Brookfield
Flash Point	Above 115°F 47°C	ASTM D-93
Tensile Strength	3500 +/- 200 psi	ASTM D-412
Ultimate Elongation	355+/- 50%	ASTM D-412
Hardness Shore A	92 +/- 5	ASTM D-2240
Tear Resistance	350 +/- 50 lbs per inch	ASTM D-1004
Water Vapor Permeability	0.5 perms	ASTM D-96
Adhesive Bond Strength	50 pil to Base Coat	
Hydrostatic Pressure	23 +/- 2 per sq. in.	ASTM-2240

AVAILABILITY

Products are available throughout the United States, Canada, and a number of other countries.

TECHNICAL SERVICES

Sales and Customer Support 1(618)988-6700

Notice to Buyer: Disclaimer of Warranties and Limitations on Our Liability

LIMITED WARRANTY warrants this product to be free of defects in workmanship and materials only at the time of shipment from our factory. If any materials prove to contain manufacturing defects that substantially effect their performance, at its option, replace the materials or refund its purchase price.

This limited warranty is the only warranty extended by with respect to its materials. There are no other warranties, including the expressed or implied warranties of merchantability and fitness for a particular purpose. Specifically disclaims liability for any incidental, consequential, or other damages, including but not limited to, loss of profits or damages to a structure or its contents, arising under any theory of law whatsoever. The dollar value of liability and buyer's remedy under this limited warranty shall not exceed the purchase price of the material in question. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular purpose. Any use or application other than recommended herein is the sole responsibility of the user. Listed physical properties are typical and should not be construed as specifications. NO WARRANTY IS MADE THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Our products contain chemicals that may CAUSE SERIOUS PHYSICAL INJURY. BEFORE USING, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM.