



PACIFIC POLYMERS

ELASTO-GRADE BINDER

*** ELASTOMERIC SLOPING MATERIAL ***

1. **PRODUCT NAME**

ELASTO-GRADE

ELASTO-GRADE is a sloping system using an elastomeric binder adhesive mixed with aggregate for sloping decks, based on polyurethane elastomers.

2. **MANUFACTURER**

ER SYSTEMS (An ITW Company)
12271 Monarch Street
Garden Grove, CA 92641
Tel: 1-800-888-8340
Fax: 714-898-5687

3. **PRODUCT DESCRIPTION**

Composition: Liquid-applied, single-component, water-cured, polyurethane binder adhesive. The ELASTO-GRADE System consists of ELASTO-GRADE binder adhesive, 50/50 blend of #0/30 mesh and #1/20 mesh sand and a primer where necessary.

Basic Uses: ELASTO-GRADE is designed for sloping flat decks and ponding areas. Designed for use under the ELASTO-DECK 5000 Deck Coating Systems.

Limitations: Containers that have been opened must be used up within one or two days since this is a moisture reactive material.

Shelf Life: 6 months in unopened containers.

Color: White

Sizes: ELASTO-GRADE binder adhesive is available in 5-gallon pails. Aggregate is sold in 100 lb. bags each.

Weight: 10.6 lbs. per gallon.

WARNINGS AND HAZARDS:

Before using the products, always refer to MSDS for important warnings and safety information. Use only in areas with adequate ventilation. Avoid breathing vapors. Keep away from heat and flame. Avoid contact with eyes and skin. In the event of skin contact, remove immediately and wash with warm, soapy water. Wear suitable eye protection. Always wash hands before eating.

4. **TECHNICAL DATA**

(See chart on Page 3)

5. **INSTALLATION**

Surface Preparation: All surfaces that are to receive ELASTO-GRADE shall be free of contamination such as water, curing compounds, paints, bond-breakers, hardeners and existing coatings. Except for non-moving shrinkage cracks, all other cracks and joints must be sealed with ELASTO-THANE 230MP, a single-component, moisture-cured sealant manufactured by ER SYSTEMS. All surfaces, where necessary, must be primed with ELASTO-POXY PRIMER VOC prior to application of the sloping material at a rate of 300 square feet per gallon, except for plywood in good condition.

Application: Prior to application, ELASTO-GRADE binder is mixed with 10% water using a jiffy mixer at low R.P.M.'s and then is mixed with a 50/50 blend of #0 & #1 sand. Blend for 3-5 minutes. The mixing ratio is 1 part ELASTO-GRADE binder to 3 parts sand. ELASTO-GRADE shall be applied to the primed (if necessary) surface with a 1/4" notch trowel, use downward pressure, distribute material to desired thickness or slope. Use a smooth trowel to finish profile of slope. Apply in 1/2" thick maximum lifts.

Generally 24 hours is required to allow material to cure, although cure times will vary depending thickness.

6. **AVAILABILITY AND COST**

ELASTO-GRADE binder adhesive is supplied through building material dealers

These products are designed and manufactured to be installed by professional installers familiar with surface preparation and application procedures. All others should consult a professional installer; those who choose to install these products without professional assistance do so at their own risk.

7. **PRODUCT WARRANTY**

Satisfactory results depend not only upon quality products but also upon factors beyond our control; methods of application and site conditions are examples of such factors and can affect product performance. This warranty consequently extends only to products installed in strict accordance with the manufacturer's specifications. It is the users responsibility to satisfy himself, by his own information and tests, of the suitability of the product for his own intended use; user assumes all risk and liability resulting from his use of the product. The substrate to which the product is applied must be sound structurally and otherwise.

Structural or substrate failures or imperfections resulting in damage to or failure of the product are not covered by this warranty. Since the use of the product is beyond the control of the manufacturer, the manufacturer assumes no liability for misapplication and misuse of the product.

This warranty does not cover consequential damages, nor does it cover the labor attendant to replacing product in the event of a product failure. The warranty only extends to replacement of the product itself.

All products proven to be defective in manufacture will be replaced at no charge. Since the use of these products is beyond our control, we cannot accept damage in excess of the purchase price of these products.

8. **MAINTENANCE**

If **ELASTO-GRADE** is damaged, it can be repaired by cleaning the surface with an exempt solvent (Acetone as an example), priming with **ELASTO-POXY PRIMER VOC** and recoating it with **ELASTO-GRADE**.

9. **TECHNICAL SERVICES**

All of the latest updates to product data and specifications are available at www.pacpoly.com. Since product data and specifications change, it is the users responsibility to make certain the most current versions of product data and specifications are being used.

Technical assistance can be obtained by contacting:

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TECHNICAL DATA

ELASTO-GRADE BINDER

PROPERTY	MEASURING STANDARDS AND CONDITIONS	RESULTS
Hardness Shore "A"	ASTM D-2240	65-75
Viscosity @ 77°F	Brookfield	25 ± 5 poise
Weight per Gallon		10.6 ± 0.2 lbs.
Solids Content	ASTM D-2369	68 ± 2% by weight 78 ± 2% by volume
Temperature Service Range		-50°F to +200°F
Adhesion to Peel	ASTM D-903	150 pli
Pot Life After Mixing with Water		30 minutes
Mixing Ratio		1 gallon ELASTO-GRADE to 3 parts sand.
Ultimate Tensile Strength	ASTM D-412	1500 psi
Ultimate Elongation	ASTM D-412	600%
Tear Strength	ASTM D-624	200 pli
Water Absorption (percent weight change)	ASTM D-570	0.04%
Abrasion Resistance	ASTM D-460 CS17 wheel 1000 grams 100 cycles	no change