



PACIFIC POLYMERS

ELASTO-DECK 5000 X2

POLYURETHANE DECK COVERING FOR WATERPROOFING CRITICAL AREAS

1. PRODUCT NAME

ELASTO-DECK 5000 X2

ELASTO-DECK 5000 X2 is an elastomeric coating system for walking decks, balconies, patios, roofs, etc., where an absolutely waterproof coating is crucial, such as above living quarters or any other occupied areas.

2. MANUFACTURER

ER SYSTEMS (An ITW Company)

12271 Monarch Street
Garden Grove, CA 92841
Tel: 1-800-888-8340
Fax: 714-898-5687

3. PRODUCT DESCRIPTION

Composition: Liquid-applied, single-component, moisture-cured, polyurethane deck covering system. The **ELASTO-DECK 5000 X2 system consists of the ELASTO-DECK 5001 NON-GASSING Base-Coat, ELASTO-GLAZE 6001AL-HT (VOC) Topcoat** and a primer where necessary. **ELASTO-DECK 5000 X2** is available in a natural aggregate or a pigmented finish.

Basic Uses: For waterproofing patios, sundecks, stairways, balconies, roofs, etc. **ELASTO-DECK 5000 X2** can be used on all decks where a waterproof skid-resistant, long-lasting, wear-resistant surface is required. It may be used on new decks as well as on old concrete decks which are damaged, or cracked. The system is suitable for exterior as well as interior applications in all kinds of climates. The coating retains its elastomeric properties in below freezing weather as well as in very hot climates. The complete system including aggregate is approximately 1/8" thick (3.2 mm).

Limitations: All materials shall be delivered to the jobsite in unopened containers clearly marked and labeled. Containers that have been opened must be used up within one or two days since these materials are

moisture-reactive. The coating sets up when exposed to air. All surfaces must be completely free of foreign matter and primed where necessary.

Standard Colors: Concrete Grey, Tan and Clear

Additional colors available with Color Paks.

Sizes: Available in 1 gallon cans, 5-gallon pails

Complies with A.S.T.M. C-957-87

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 which are to receive **ELASTO-DECK 5000 X2** shall be free of contamination such as water, curing compounds, hardeners, bond-breakers, paint, etc. A light broom-finish is recommended for concrete surfaces. It is desirable to water cure concrete in lieu of curing compounds. Only exterior grade plywood should be used. Contaminants should be removed by sandblasting or acid-etching. If etching is used, properly neutralize the acid and allow adequate time for surface to dry. Except for non-moving shrinkage cracks, all other cracks and joints must be sealed with **ELASTO-THANE 230MP**, a single-component, moisture-cured polyurethane sealant manufactured by ER SYSTEMS. All surfaces must be primed with PRIMER prior to application of the coating system at a rate of 250-

350 square feet per gallon. (6.14 – 8.6 M2/LITER), except for plywood in good condition.

All seams between plywood sheets and those between metal flashing and the plywood deck must be reinforced by imbedding a 4-inch (10 cm) wide strip of glass cloth tape in wet **ELASTO-DECK 5001 NON-GASSING**, which is brushed evenly over the seam in a width of about 5 inches (12.7 cm) and a thickness of about 20 mils wet (.5 mm). The application of **ELASTO-DECK 5001 NON-GASSING** can subsequently be made immediately over the entire area, including the taped areas.

Application: **ELASTO-DECK 5001 NON-GASSING** shall be applied to the plywood or primed concrete at a rate of 56 square feet per gallon (1.35 m2/liter) resulting in a dry film thickness of 25 mils (.6 mm). After allowing 16 to 24-hour cure, another coat of **ELASTO-DECK 5001 NON-GASSING** is applied at the same 25 mil (.6 mm) coverage for a total dry thickness of 50 mils (1.27 mm). **ELASTO-DECK 5001 NON-GASSING** may be applied in one coat at the rate of 28 square feet per gallon (0.68 m2/liter) over sound surfaces without danger of gassing. Application must be made uniformly to avoid thin spots and care must be taken to avoid pinholes and repair them should they occur. **ELASTO-DECK 5001 NON-GASSING** may be accelerated to cure in just a few hours by adding approximately ½ to 1 fluid ounce of water per gallon of material. Following a 24 hour cure, apply **ELASTO-GLAZE 6001AL-HT (VOC)** pigmented, at the rate of 120 square feet per gallon (2.94 m2/liter). Broadcast the desired dry and clean aggregate into the wet coating to refusal. We suggest using Monterrey Sand.

After an overnight cure, sweep or blow off all the loose aggregate and apply another coat of **ELASTO-GLAZE 6001AL-HT (VOC)**, pigmented or clear at a coverage of 110 square feet per gallon (2.70 m2/liter). Coverage will vary depending on the size of aggregate used.

Allow 48 hours cure time before permitting any traffic on the finished system.

6. AVAILABILITY AND COST

ELASTO-DECK 5000 X2 is supplied through building material dealers. Prices vary with quantity and packaging. Quotations are made on request.

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 user's 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

Since, as with all deck coatings, the topcoat is subject to staining by such foreign matter as nitrates, fertilizers, hard water, and other substances, it must be maintained. Please refer to the Maintenance Manual for proper maintenance procedures. The manufacturer is not liable for staining caused by hard water deposits, nitrates, fertilizers and other foreign matter.

If **ELASTO-DECK 5000 X2** is damaged, it can be repaired by cleaning the surface with Acetone and recoating it with ELASTO-DECK 5000 X2 system.

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 user's 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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4. TECHNICAL DATA (INDIVIDUAL SYSTEM PRODUCTS)

PROPERTY	TEST METHOD	RESULTS	
		<u>Elasto-Deck 5001NG</u>	<u>Elasto-Glaze 6001AL-HT (VOC)</u>
Viscosity (@77°F (25°C))	Brookfield Viscometer	60 ± 10 poise	30 ± 5 poise
Weight Per Gallon (pounds)		9.65 +/- 0.10	9.45 – 9.90
Solid Content (%)	ASTM D 2369		
Weight %		91 ± 2	80 ± 2
Volume %		88 ± 2	78 ± 2
VOC Content (grams per liter)		100 grams	100 grams
Hardness (Durometer)	ASTM D 2240	50A – 55A	95A (40D)
Tensile Strength (psi)	ASTM D 412	430 ± 10%	2780 ± 10%
Elongation (%)	ASTM D 412	700 ± 10%	200 ± 10%
Peel Strength on Plywood	ASTM D 903	14 pli (no peel Cohesive failure)	N/A
Water Absorption	ASTM D570	< 3.5 %	< 1.52%
Moisture Vapor Transmission	ASTM E 96	1.5 +/- 0.4 perms	N/A
Tear Strength (lb/in)	ASTM D 624	58	280
Bond Strength (Elcometer Pull Test)	ASTM D4541		
Plywood		> 185 psi	N/A
Primed Concrete		> 300 psi	
Shelf Life (unopened Containers @ 77oF/50% RH)		6-months	6-months
Weather-o-Meter	ASTM D1499	N/A	2000 hours No crazing, cracking, Spalling or softening
Chemical Resistance	ASTM D 2299	N/A	No cracks, spalls, softening [Industrial Detergent Solution (20% Vol.) Ammonia Solution (5% by Vol.) Salt Solution (20% by Vol.) Muriatic Acid (10% by Vol.) Chlorine Solution (10% by Vol.) Ethylene Glycol Anti-Freeze Kerosene Turpentine Paint Thinner]
Temperature Service Range		-50 ^o F to +180 ^o F	(-45 ^o C to +82.2 ^o C)