



# 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

PACIFIC POLYMERS INTERNATIONAL, INC.  
12271 Monarch Street  
Garden Grove, CA 92841  
714/898-0025  
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 base coat, ELASTO-GLAZE 6001 AL top coat 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.

**Shelf Life:** 6 months at 77°F (25°C)

**Colors:** Concrete Grey, Tan

**Sizes:** Available in 1 gallon cans, 5-gallon pails and 55-gallon drums. Weighs 10 lbs. per gallon (4.5 kg/gallon).

**Standards:** City of S.F. approval No. 07570 PAC. 197  
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 watercure 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 230, a single-component, moisture-cured polyurethane sealant manufactured by PACIFIC POLYMERS INTERNATIONAL, INC. All surfaces, where necessary, must be primed with ELASTO-DECK PRIMER prior to application of the coating system at a rate of 350 square feet per gallon (8.6 m<sup>2</sup>/liter)

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, 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 can subsequently be made immediately over the entire area, including the taped areas.

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**Application:** ELASTO-DECK 5001 shall be applied to the plywood or primed concrete at a rate of 60 square feet per gallon (1.47 m<sup>2</sup>/liter) resulting in a dry film thickness of 25 mils (.6 mm). After a 24-hour cure, another coat of ELASTO-DECK 5001 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 substituted for ELASTO-DECK 5001 and applied in one coat at the rate of 30 square feet per gallon (0.74 m<sup>2</sup>/liter). ELASTO-DECK 5001 Non-Gassing may be used in a single 50 mil application 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 1/2 fluid ounce of water per gallon of material. Following a 24 hour cure, apply ELASTO-GLAZE 6001 AL pigmented, at the rate of 115 square feet per gallon (2.8 m<sup>2</sup>/liter). Broadcast the desired aggregate into the wet coating to refusal.

After an overnight cure, sweep or blow off all the loose aggregate and apply another coat of ELASTO-GLAZE 6001 AL, pigmented or clear at a coverage of 105 square feet per gallon (2.7 m<sup>2</sup>/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 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

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 M.E.K. 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 the Pacific Polymers International, Inc. website at [www.pacpoly.com](http://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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#### 4. TECHNICAL DATA (ELASTO-DECK 5000X2)

Property	Measuring Standard and Conditions	Results Base coat ELASTO-DECK 5001	Results Top Coat ELASTO-GLAZE 6001 AL
Hardness	Shore "A" A.S.T.M. D-2240	55	92
Ultimate Tensile Strength	A.S.T.M. D-412	975 psi	2,600 psi
Ultimate Elongation	A.S.T.M. D-412	825%	190%
Adhesive Peel Strength on Primed Concrete	A.S.T.M. D-903	90 P.L.I.	210 P.L.I.
Peel Strength on Plywood	A.S.T.M. D-903	95 P.L.I. cohesive failure	N/A
Solids Content	A.S.T.M. D-2369	88± 2% by weight 78± 2%by volume	77% by weight 72± 2% by volume
Water Absorption	A.S.T.M. D-471	<1% by weight	0.03% by weight
Temperature Service Range		-50°F to + 200°F -45°C to + 93°C	-50°F to + 200°F -45°C to + 93°C
Viscosity at 77°F (25°C)	Brookfield Viscometer	60 poises	40 poises
Moisture Vapor Transmission	A.S.T.M. E96-66 Procedure (a) 15 mil (0.015") dry film (.38mm) (b) 30 mil (0.30") dry film (.76mm) Cured 7 days at 77°F(25°C), 50% RH	3.7 perms ± 0.6 2.4 perms ± 0.4	0.8 perms
Abrasion Resistance	A.S.T.M. C-501-62T 30 mil dry film on 4" x 4" (10cm x 10cm) metal, CS-17 wheel, 1000 rev. with 1000 grams weight	No change in weight	No change in weight
Tear Resistance	A.S.T.M. D-1004-66	220 pounds per linear inch	188 pounds per linear inch
Perpendicular Bond-strength on Plywood		185 psi plywood failure	N/A
Weight per Gallon		9.80 lbs.	9.09 lbs.