



THIRTY YEARS OF PROVEN PERFORMANCE
ELASTO-DECK 5000

**TO PROTECT AND WATERPROOF ALL DECKS
PARKING DECKS * WALKING DECKS * ROOF DECKS**

1. **PRODUCT NAME**

ELASTO-DECK 5000

ELASTO-DECK 5000 is an elastomeric waterproof coating system for parking decks, roof decks, and walking decks, based on polyurethane elastomers.

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 system consists of the **ELASTO-DECK 5001** base coat, **ELASTO-GLAZE 6001 AL** top coat and a primer where necessary. **ELASTO-DECK 5000** is available in a natural aggregate or pigmented finish.

Basic Uses: For waterproofing parking decks, walking decks, roof decks, balconies, plazas, etc. Anti-skid textured finish. The complete system is approximately 1/8" (3mm) thick. Designed for vehicular and pedestrian traffic.

Limitations: Containers that have been opened must be used up within one or two days since it is a moisture-reactive material. It sets up when exposed to air. All surfaces must be completely free of foreign matter and primed with **ELASTO-DECK PRIMER**, where necessary.

Color: Concrete Grey and Tan

Sizes: Available in 1 gallon cans, 5-gallon pails and 55-gallon drums.

Standards: City of L.A. approval No. 24208; City of S.F. approval No. 07570PAC.197; Class "A" Fire Rating A.S.T.M. E-108, U.L. 790 on concrete decks. (See approval for full details).

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** shall be free of contamination such as water, curing compounds, hardeners, bondbreakers, paint, etc. A light broom-finish is recommended for concrete surfaces. It is desirable to watercure concrete in lieu of curing compounds. Contaminants should be removed by bead blasting, sandblasting, or acid etching. If acid etching is used, the area must be properly neutralized and adequate time must be allowed 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, 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 (8.58 m²/liter), except for plywood in good condition. All seams between plywood sheets and the transition from the metal flashing to the plywood deck must be reinforced by imbedding a 3-inch wide strip of glass cloth tape into wet **ELASTO-DECK 5001**, which is brushed evenly over the seam to a width of about 4 inches (10cm) and a thickness of about 20 mils (.50mm) wet. The application of **ELASTO-DECK 5001** can subsequently be made immediately over the entire area including the taped areas.

Application: **ELASTO-DECK 5001** shall be applied to exterior grade plywood or primed concrete at a rate of

45 square feet per gallon (1.1 m²/liter) resulting in a 30 dry mil (.7mm) thickness.

After a 24-hour cure, apply **ELASTO-GLAZE 6001** pigmented, at a rate of 115 square feet per gallon (2.82 m²/liter). Broadcast 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** pigmented or clear, at a rate of 115 square feet per gallon (2.82 m²/liter). Total system thickness is 50 dry mils (1.27mm), excluding aggregate. Allow 48 hours cure time before allowing any traffic on the finished system.

6. AVAILABILITY AND COST

ELASTO-DECK 5000 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** is damaged, it can be repaired by cleaning the surface with M.E.K. and recoating it with **ELASTO-DECK 5000**.

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. 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 5000

Property	Test Method	Results
*1. Weather-o-Meter test (2000 hrs.)	ASTM D-1499 ASTM G-23	Surface showed no crazing, spalling or softening.
*2. Accelerated Aging Test Procedure D & E	ASTM D-756	No indication of color change, splits or cracks.
*3. Bond Strength Primed Concrete Primed Plywood After Accelerated Aging	ASTM C-297	164 psi 152 psi 96 psi
*4. Percolation Test	ICBO Criteria (1992)	No moisture accumulation after 48 hours.
*5. Water Absorbtion	ASTM D-570	3.97 percent
*6. Abrasion Resistance (1000 revolutions, 1000 gr. load #80 TP Aluminum Oxide Grit)	ASTM D-1242	Average loss in thickness: 0.52%
*7. Concentrated Load Test (300 lb. load)	ICBO Criteria (1992)	No cracks or deterioration
*8. Low Temperature Flexibility (1" (2.5cm) mandrel, 180 deg. Bend)	ICBO Criteria (1992)	No crazing or cracking
*9. **Chemical Resistance	ASTM D-2299	
a. 20% Detergent		No effect
b. 5% Ammonia		No effect
c. 20% Salt solution		No effect
d. Anti-freeze coolant		No effect
e. Kerosene		No effect
f. Paint thinner		No effect
g. Distilled water		No effect
10. Weight per Gallon ELASTO-DECK 5001 ELASTO-GLAZE 6001	---	10±0.2 pounds (4.5±0.1 kg) 9.6±0.2 pounds (4.3±0.1 kg)

*Test performed as per ICBO Criteria (1992) requirement.

**Test conditions - 16 hours at 122°F, immersion