



ELASTO-DECK 5000 W.D.A.

POLYURETHANE WALKING DECK COATING WITH AGGREGATE FINISH

1. PRODUCT NAME

ELASTO-DECK 5000 W.D.A.

ELASTO-DECK 5000 W.D.A. is an elastomeric coating system for 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. System consists of ELASTO-DECK 5001 base coat, ELASTO-GLAZE 6001 AL topcoat and primer where necessary. **ELASTO-DECK 5000 W.D.A.** is available in a natural aggregate finish or a pigmented finish.

Basic Uses: For waterproofing walking decks, balconies, plazas, etc. Designed for foot traffic. Skid-resistant, textured finish. The complete system is approximately 1/8" thick (3 mm), inclusive of sand.

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 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 DECK-THANE PRIMER, where necessary.

Colors: Concrete Grey, Tan

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

Standards: 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 W.D.A.** 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. Contaminants should be removed by sandblasting or acid-etching. If etching is used, 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 sealant manufactured by PACIFIC POLYMERS INTERNATIONAL, INC. All surfaces, where necessary, must be primed with DECK-THANE PRIMER prior to application of the coating system at a rate of 350 square feet per gallon (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 2-inch wide (5 cm) strip of glass cloth tape in wet ELASTO-DECK 5001, which is brushed evenly over the seam in a width of about 3 inches (7.6 cm) and a thickness of about 30 mils wet (0.76 mm). The application of ELASTO-DECK 5001 can subsequently be made immediately over the entire area, including the taped areas. Cracks in concrete must be treated in the same way.

Application: ELASTO-DECK 5001 shall be applied to the primed concrete or plywood at a rate of 45 square feet per gallon (1.1 m²/liter) resulting in a 30 dry mil thickness (.76 mm).

After a 24-hour cure, apply ELASTO-GLAZE 6001 AL PIGMENTED, at a rate of 115 square feet per gallon (2.8 m²/liter). Broadcast desired aggregate into the wet coating until refusal. After an overnight cure, sweep or blow off all the loose aggregate and apply another coat

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of ELASTO-GLAZE 6001 AL pigmented or clear, at a coverage of 115 square feet per gallon.

Allow 48 hours cure time before allowing heavy pedestrian traffic onto the finished system.

6. AVAILABILITY AND COST

ELASTO-DECK 5000 W.D.A. 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. Maintenance procedures, as described in "Pacific Polymers Deck Coatings Maintenance Manual", must be followed for our product warranty to be valid.

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.

Please refer to our "Pacific Polymers Deck Coatings Maintenance Manual" for complete maintenance instructions.

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 W.D.A.

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	90% by weight 78± 2% by volume	78% 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°F)	Brookfield Viscometer	70±10 poises	20±5 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°F) 50% RH	3.7 perms ± 0.6 2.4 perms ± 0.4	0.8 perms
Abrasion Resistance metal, CS-17 wheel, 1000 rev. with 1000 grams weight	A.S.T.M. C-501-62T 30 mil dry film on 4" x 4" (10cm x 10cm)	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	---	9.8 lbs	9.6±0.2 lbs