



ELASTO-DECK 5000 P.D.S.

PARKING DECK SYSTEM, SPLATTERCOAT FINISH 70 Dry Mil Average Thickness

1. PRODUCT NAME

ELASTO-DECK 5000 P.D.S.

ELASTO-DECK 5000 P.D.S. is an elastomeric traffic coating system for waterproofing parking decks and roofs, 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 **ELASTO-DECK 5000 P.D.S.** system consists of DECK-THANE PRIMER, ELASTO-DECK 5001 base coat, ELASTO-GLAZE 6001 AL top coat, and ELASTO-GLAZE 6001 AL SPLATTERCOAT.

Basic Uses: For waterproofing parking decks, roofs, helicopter pads, stadium floors, etc. Designed to withstand vehicular traffic. Anti-skid textured finish.

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 concrete surfaces to be coated must be completely free of foreign matter and primed with ELASTO-DECK PRIMER.

Colors: Concrete grey, tan.

Sizes: Available in 5-gallon pails and 55-gallon drums.
Weight Per Gallon:

ELASTO-DECK PRIMER	8.6 lbs. (3.9 kg/gallon)
ELASTO-DECK 5001	9.8 lbs. (4.4 kg/gallon)
ELASTO-GLAZE 6001 AL	9.0 lbs. (4.1 kg/gallon)
ELASTO-GLAZE 6001 S	9.2 lbs. (4.2 kg/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 concrete surfaces which are to receive **ELASTO-DECK 5000 P.D.S.** 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 acid-etching is performed, properly neutralize the acid, followed by thorough rinsing of the concrete. 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 concrete surfaces must be primed with ELASTO-DECK PRIMER prior to application of the coating system at a rate of 300-350 square feet per gallon (7.35-8.58 m²/liter).

Application: ELASTO-DECK 5001 shall be applied to the primed concrete at a rate of 60 square feet per gallon (1.47 m²/liter) per coat resulting in a 25 dry mil thickness (0.625 mm).

After a 24-hour cure, another coat of ELASTO-DECK 5001 is applied at the same 25 mil (0.625 mm) thickness for a total dry film thickness of 50 mils (1.25 mm).

After a 24 hour cure apply ELASTO-GLAZE 6001 AL at a rate of 115 sq. ft. per gallon (2.82 m²/liter), for a 10 dry mil thickness (0.25 mm). Allow this coating to cure for 24 hours after which ELASTO-GLAZE 6001 S SPLATTERCOAT is applied using suitable spray equipment at a coverage of 100 sq. ft. per gallon (2.45 m²/liter) resulting in a uniformly textured finish with an average thickness of 10 dry mils. Do not allow the ELASTO-GLAZE 6001 AL to cure longer than 24 hours, otherwise sanding and recoating may be required.

A #20 mesh aggregate is to be broadcast into the wet splatter coat, for anti-skid purposes. Do not use silica sand. The completed deck coating system must be allowed to cure for at least 72 hours prior to admitting vehicular traffic.

6. AVAILABILITY AND COST

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

Property	Measuring Standard and Conditions	Results Base Coat ED 5001	Results Top Coat EG 6001 AL	Results Splattercoat EG 6001 S
Hardness	Shore "A"	55	92	93
Tensile Strength	A.S.T.M. D-412	975 psi	2,600 psi	2,700 psi
Elongation	A.S.T.M. D-412	825%	190%	140%
Adhesion (peel strength)	A.S.T.M. D-903	90 P.L.I. on Primed Concrete	210 P.L.I. on Basecoat	285 P.L.I. on Topcoat
Moisture Vapor Transmission	A.S.T.M. E-96-66 Procedure (a) 15 mil dry film (.38mm) (b) 30 mil 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 (CS-17 wheel, 1000 rev. with 1000 grams weight)	A.S.T.M. C-501 30 mil dry film on 4" x 4" (10cm x 10cm) metal.	No change in 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	340 pounds per linear inch
Weather-O-Meter Test (2000 hrs.)	A.S.T.M. D-1499 and G-23		No surface crazing, cracking, spalling or softening.	
Accelerated Aging Test	A.S.T.M. D-756		No indication of color change, cracks, or crazing.	
Percolation Test	ICBO Criteria (1992)		Passes	
Water Absorption	A.S.T.M. D-570	<1%	3.97%	
Weight per Gallon		10±0.2 pounds	9.6±0.2 pounds	9.3±0.2 pounds