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# **PACIFIC POLYMERS**

# **ELASTO-DECK 5000 W.D.A.**

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## **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**

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. System consists of **ELASTO-DECK 5001 NON-GASSING Base-Coat**, **ELASTO-GLAZE 6001AL-HT (VOC) 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 **Elasto-Poxy Primer** (Solvent-based or Water-based) or **Deck-Thane Primer**.

**Standard Colors:** Concrete Grey, Tan, Clear, Natural Aggregate (Additional Colors Available with Color Paks)

**Available Size:** ELASTO-DECK 5001 NON-GASSING and Elasto-Glaze 6001AL-HT (VOC)- 1 gallon and 5-gallon pails.

Deck-Thane Primer – 1 gallon and 5-gallon pails  
Elasto-Epoxy Primer (VOC or W.B.) → 1.5 gallon kits  
ICAP Primer: For metal Flashing -Quarts

**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 water cure 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 230MP**, a single-component, moisture-cured 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 M<sup>2</sup>/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 wide (10.16 cm) strip of Perma-Glas Mesh into 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 30 mils wet (0.76 mm). The application of **ELASTO-DECK 5001 NON-GASSING** 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 NON-GASSING** shall be applied to the primed concrete or plywood at a rate of 46 square feet per gallon (1.1 m<sup>2</sup>/liter) resulting in a 30 dry mil thickness (.76 mm).

After a 24-hour cure, apply **ELASTO-GLAZE 6001AL-HT (VOC)** at a rate of 115 square feet per gallon (2.8 m<sup>2</sup>/liter). Broadcast desired dry and clean aggregate into the wet coating until refusal. We suggest, use 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 rate of 115 square feet per gallon.

Allow a minimum of 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 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. Maintenance procedures, as described in "ER SYSTEMS- 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 "ER SYSTEMS Coatings Maintenance Manual" for complete maintenance instructions.

## 9. TECHNICAL SERVICES

All of the latest updates to product data and specifications are available at [www.pacpoly.com](http://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:

ER SYSTEMS (An ITW Company)  
12271 Monarch Street  
Garden Grove, CA 92841  
Tel: 1-800-888-8340  
Fax: 714-898-5687

## 4. TECHNICAL DATA – ELASTO-DECK 5000 W.D.A.

<u>PROPERTY</u>	<u>TEST METHOD</u>	<u>RESULTS</u>	
		<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 +/- 0.1	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
Taber Abrasion (CS 17 wheel, 1000cycles, 1000 gram load)	ASTM D 4060	N/A	0.015 gr. loss
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 @ 77°F/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° F to +180° F (-45°C to +82.2°C)	