



PACIFIC POLYMERS **ELASTO-DECK 5001 HT**

HIGH TENSILE POLYURETHANE BASE AND INTERMEDIATE COAT

1. **PRODUCT NAME**

ELASTO-DECK 5001 HT

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, voc compliant, aromatic polyurethane elastomer.

Basic Uses: ELASTO-DECK 5001 HT is used as a Base-Coat and Intermediate Coat in the ELASTO-DECK 5000 High Tensile coating systems for vehicular and pedestrian decks.

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.

Shelf Life: 6 months at 77°F (25°C)

Colors: Concrete Grey

Packaging: Available in 5-gallon pails
55 gallon drums can be available upon request.

4. **TECHNICAL DATA**

(See Reverse Side)

5. **INSTALLATION**

Surface Preparation: All surfaces which are to be coated with ELASTO-DECK 5001 HT must be free of contamination such as curing compounds, concrete hardeners, bond breakers, paint, etc. All concrete surfaces must be dry, having a maximum water content of 20%. We recommend water curing concrete instead of using concrete curing compounds. Only exterior grade plywood should be used. Except for non-moving shrinkage cracks, all other cracks and joints must be sealed with ELASTO-THANE 230MP sealant manufactured by ER SYSTEMS. All concrete surfaces must be primed with ELASTO-POXY PRIMER (solvent based or water based) at a rate of 250-350 sq. ft. per gallon prior to application of the coating system, except for plywood in good condition, where priming may not be required.

All seams between plywood sheets and those between metal flashing and the plywood deck must be reinforced by imbedding a 4 inch wide strip of glass cloth tape in wet ELASTO-DECK 5001 HT, which is brushed evenly over the seam in a width of about 5 inches and a thickness of about 20 mils wet. The application of ELASTO-DECK 5001 HT can subsequently be made immediately over the entire area, including the taped areas. Cracks in concrete must be treated in the same way. Where ELASTO-DECK 5001 HT is used as a protective coating on polyurethane foam roofs, it must be applied within 8 hours from the time the foam is installed. A top coat of ELASTO-GLAZE 6001AL HT is necessary in order to protect the ELASTO-DECK 5001 HT from damage by U.V. light or traffic.

Application: **ELASTO-DECK 5001 HT** can be applied knothed squeegee followed by back rolling. **ELASTO-DECK 5001 HT** can be sprayed, airless spray equipment must have a minimum of 30 to 1 ratio.

Permit adequate cure time before applying another coat of **ELASTO-DECK 5001HT** or the **ELASTO-GLAZE 6001AL HT**. Coverage rates as dictated by systems specifications, architect, or ultimate use.

6. **AVAILABILITY AND COST**

ELASTO-DECK 5001 HT is supplied through building material dealers.

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 assume any risk or liability for results obtained, nor can we accept damage in excess of the purchase price of these products.

8. **MAINTENANCE**

If the **ELASTO-DECK 5001HT** is damaged, it can be repaired by cleaning the surface with AN exempt solvent (Acetone as an example) priming with Elasto-Poxy Primer (VOC) and recoating it with **ELASTO-DECK 5001HT**.

9. **TECHNICAL SERVICES**

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4. TECHNICAL DATA – ELASTO-DECK 5001HT

PROPERTY	MEASURING STANDARDS AND CONDITIONS	ELASTO-DECK 5001HT BASE COAT AND INTERMEDIATE COAT
Weight Per Gallon		10.90 +/- 0.3 lbs.
Specific Gravity		1.27 to 1.34
Viscosity	Brookfield	50 ± 10 poises
Consistency		Thixotropy
Solid Content (%)		
Weight		83 +/- 2%
Volume		78 +/- 2%
VOC (grams per liter minus exempt solvent))		100 grams
Shore "A" Hardness	ASTM D-2240	75 ± 5
Ultimate Tensile Strength	ASTM D-412	1500 P.S.I. ± 10%
Ultimate Elongation	ASTM D-412	400 ± 10%
Adhesive Peel Strength on concrete	ASTM D-903	30 P.L.I. ± 10% no peel, cohesive failure
Peel Strength on Plywood	ASTM D-903	30 P.L.I. ± 10%
Crack Bridging	ASTM C-836	System Passes
Tear Resistance	ASTM D-624	260 P.L.I. ± 10%
Weatherometer	ASTM D-1499 & G23	1,000 hours Slight Chalking
Flash Point		120° F
Resistance to:		
Gasoline		Slight Swelling
Diesel Fuel		Slight Swelling
Anti-Freeze		No Effect
Motor Oil		No Effect
Water		No Effect
Satisfactory		