



ELASTO-DECK 5001 HT

HIGH TENSILE BASE AND INTERMEDIATE COAT

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION:

Pacific Polymers® ELASTO-DECK 5001 HT is a High Tensile, Liquid-applied, single component, moisture-cured, voc compliant, aromatic polyurethane waterproofing membrane.

COMPOSITION:

Liquid-applied, non-gassing, single-component, moisture-cured, polyurethane membrane.

BASIC USES:

ELASTO-DECK 5001 HT is used as a waterproofing Base-Coat and Intermediate Coat in the ELASTO-DECK 5000 HT system

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 will start to set up when exposed to air. Since the product is moisture sensitive, it is possible a soft skin may develop in the container.

All surfaces must be completely free of foreign matter and primed with ELASTO-POXY PRIMER (VOC or W.B.), where necessary.

COLORS: Concrete Grey

SIZE: 5 gallon pails.

WARNING AND HAZARDS:

Before using the products, always refer to SDS 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.

TYPICAL PROPERTIES (See Chart on Page3)

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. Except for non-moving shrinkage cracks, all other cracks and joints must be sealed with PERMATHANE®7108 a single component polyurethane sealant manufactured by ITW POLYMERS SEALANTS NORTH AMERICA.
- All concrete surfaces must be primed with ELASTO-POXY PRIMER (VOC or W.B.) at a rate of 225-300 sq. ft. per gallon prior to application of the coating system.
- **Metal/Metal Flashing:** Prime with ELASTO-POXY PRIMER VOC.

- All seams between metal flashing and the concrete 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.
- A top coat of ELASTO-GLAZE 6001AL-HT is necessary in order to protect the ELASTO-DECK 5001HT from damage by U.V. light or traffic.

APPLICATION:

- ELASTO-DECK 5001 HT can be applied by notched squeegee followed by back rolling. ELASTO-DECK 5001 HT can be sprayed; airless spray equipment must have a minimum of 30 to 1 ratio.
- Allow for an overnight cure (12-16 hours) before applying another coat of ELASTO-DECK 5001 HT or the ELASTO-GLAZE 6001AL-HT. Coverage rates as dictated by systems specifications, architect, or ultimate use.

AVAILABILITY AND COST:

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

MAINTENANCE:

If ELASTO-DECK 5001 HT is damaged, it can be repaired by cleaning the surface, priming with ELASTO-POXY PRIMER VOC and recoating with ELASTO-DECK 5001 HT.
(See Maintenance Manual)

TECHNICAL SERVICE

All of the latest updates to product data and specifications are available at 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:

ITW POLYMER SEALANTS NORTH AMERICA

12271 Monarch Street
Garden Grove, CA 92841
Tel: 1-800-888-8340
Fax: 714-898-5687

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 ASSUME ANY RISK OR LIABILITY FOR RESULTS OBTAINED, NOR CAN WE ACCEPT DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THESE PRODUCTS.

Complete technical information is available from
ITW Polymers Sealants North America, Inc.

TYPICAL PROPERTIES: ELASTO-DECK 5001 HT

PROPERTY	TEST METHOD	ELASTO-DECK 5001HT BASE COAT
Shore "A" Hardness:	ASTM D-2240	75A ± 5A
Ultimate Tensile Strength:	ASTM D-412	1500 P.S.I. ± 10%
Ultimate Elongation:	ASTM D-412	400% ± 10%
Bond Strength on Concrete:	ASTM D-4541	30 P.L.I. ± 10%
Peel Strength on Plywood:	ASTM D-903	30 P.L.I. ± 10%
Tear Resistance (lb./in)	ASTM D-624	260 P.L.I. ± 10%
Weatherometer:	ASTM D-1499 & G23	1000 HOURS Slight chalking
Water Absorption	ASTM D570	< 3.5%
Moisture Vapor Transmission	ASTM E-96	1.5 ± 0.4 perms
Weight per Gallon:		10.9 ± 0.3 lbs.(4.94 ± 0.13 kg)
Specific Gravity		1.27 to 1.34
Solid Content (%) Weight % Volume %	ASTM D 2369	83 ± 2 78 ± 2
Viscosity:	Brookfield Viscometer	50 ± 10 poises (Thixotropic)
Consistency		Fluid
Flash Point:		120°F (49°C)
V.O.C. (Minus exempt solvent) (Meets SCAQMD requirement)	Calculated	100g/L
Shelf Life (when stored indoors at 77°F (25°C) in unopened containers)		6 months
Resistance to: Gasoline Diesel Fuel Anti-Freeze Motor Oil Water		Slight Swelling Slight Swelling No Effect No Effect No Effect
Temperature Service Range		-50° F to +180° F (-45°C to +82.2°C)