



ELASTO-DECK 5001 HT

HIGH TENSILE BASE AND INTERMEDIATE COAT

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION:

Pacific Polymers® ELASTO-DECK 5001HT is a high tensile, liquid-applied, single component, moisture-cured, VOC compliant, aromatic polyurethane waterproofing membrane.

BASIC USES:

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

INSTALLATION:

Surface Preparation:

- All surfaces which are to be coated with ELASTO-DECK 5001HT 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® SM7108 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 5001HT, 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 5001HT 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 5001HT can be applied by notched squeegee followed by back rolling. ELASTO-DECK 5001HT can be sprayed; airless spray equipment must have a minimum of 30 to 1 ratio.
- Allow for an overnight cure (16-24 hours) 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.

TYPICAL PROPERTIES:

PROPERTY	TYPICAL VALUE	
Shore "A" Hardness (ASTM D2240)	75A ± 5A	
Ultimate Tensile Strength (ASTM D412)	1500 P.S.I. ± 10%	
Ultimate Elongation (ASTM D412)	400% ± 10%	
Bond Strength on Concrete (ASTM D4541)	30 P.L.I. ± 10%	
Peel Strength on Plywood (ASTM D903)	30 P.L.I. ± 10%	
Tear Resistance (lb./in) (ASTM D624)	260 P.L.I. ± 10%	
Weatherometer (ASTM D1499, ASTM G23)	1000 HOURS Slight chalking	
Water Absorption (ASTM D570)	< 3.5%	
Moisture Vapor Transmission (ASTM E96)	1.5 ± 0.4 perms	
Weight per Gallon:	10.9 ± 0.3 lbs/ gal (4.94 ± 0.13 kg/ liter)	
Specific Gravity	1.27 to 1.34	
Solid Content (ASTM D2369)	Weight %	83% ± 2%
	Volume %	78% ± 2%
Viscosity:	5000 cps at 75°F (Thixotropic)	
Consistency	Fluid	
Flash Point:	120°F (49°C)	
V.O.C.	80 g/L, EPA method 24	
Color	Concrete Gray	
Resistance	Gasoline Diesel Fuel Anti-Freeze Motor Oil Water	Slight Swelling Slight Swelling No Effect No Effect No Effect
Temperature Service Range	-50°F - 180°F (-45°C - 82.2°C)	
** The shelf life for an unopened container stored at temperatures between 60°F (15.6°C) and 95°F (35°C) is 6 months from date of manufacture. Store out of direct sunlight in a cool, well-ventilated area. Avoid storing container directly on the floor or against an outside wall		

TEMPERATURE CONSTRAINTS:

- Minimum application temperature is 40°F (4°C) and rising and more than 5°F above dew point.
- Contact Technical Service when substrates are over 90°F (32°C) or under 40°F (4°C).
- Avoid application when inclement weather is present or imminent.
- Do not apply to damp, wet, or contaminated surfaces.

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.

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.

MAINTENANCE:

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

AVAILABILITY AND COST:

- **ELASTO-DECK 50001HT** is supplied through building material dealers. Prices vary with quantity and packaging. Quotations are made upon 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.

PACKAGING: 5 gallon pail

TECHNICAL SERVICE

All of the latest updates to product data and specifications are available at www.itwsealants.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.

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.