



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 surfaces must be dry, having a maximum moisture content of 15% for plywood and 4.5% for concrete (Measuring concrete with a TRAMAX CME4 or CME5 meter). Except for non-moving shrinkage cracks, all other cracks and joints must be sealed with PERMATHANE® SM7120 PU a single component polyurethane sealant manufactured by HOLCIM SOLUTIONS AND PRODUCTS US, LLC.
- 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 topcoat 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 Primed (ASTM D4541)	> 400 psi concrete failure
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	Slight Swelling
Diesel Fuel	Slight Swelling
Anti-Freeze	No Effect
Motor Oil	No Effect
Water	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 holcimpacpoly.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.

PRIOR TO USE OF THIS MATERIAL,
READ ALL APPROPRIATE SAFETY DATA SHEETS

PRODUCT WARRANTY:
INSTALL AS DIRECTED ON PACIFIC POLYMERS® PRODUCT DATA SHEET. USER DETERMINES SUITABILITY FOR INTENDED USE AND ASSUMES ALL RISK AND LIABILITY. THIS PRODUCT IS SOLD “AS IS.” EXCEPT AS REQUIRED BY LAW, THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IF TERMS ARE NOT ACCEPTABLE, RETURN UNOPENED PRODUCT TO PLACE OF PURCHASE. DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THESE PRODUCTS.

Complete technical information is available from
Holcim Solutions and Products US, LLC.