GacoPoly™

Product Data Sheet (PDS):

GacoPoly™ ELASTO-DECK 5001 HT
Revised: 10/2026

GACOPOLY™ ELASTO-DECK 5001 HT SINGLE COMPONENT AROMATIC POLYURETHANE HIGH TENSILE BASE AND INTERMEDIATE COAT

A. DESCRIPTION:

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

B. RECOMMENDED USE:

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

C. This product is recommended for applications which require surface waterproofing, where bitumen extended polyurethane would not be suitable. It must be coated with ELASTO-GLAZE 6001AL-HT to achieve UV stability.

D. PACKAGED PRODUCT DATA: ELASTO-DECK 5001 HT

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 %** **Volume %**	 83% ± 2% 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**	Per ASTM C957 Slight Swelling Slight Swelling

Anti-Freeze **Motor Oil** **Water**	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 8 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.	

E. APPLICATION:

STEP	INSTRUCTIONS
PRIMER	**PER SUBSRTATE TYPE:** **1.) WOOD:** Plywood, exterior grade quality, and minimum APA (The Engineered Wood Association) grade mark of BC EXT with B side to receive coating, clean, dry-No primer necessary **2.) CONCRETE: GacoPoly Elasto-Poxy Primer VOC**, **GacoPoly E5691** **3.) METAL: GacoPoly Elasto-Poxy Primer VOC, GacoFlex E5320** Surface Preparation: All surfaces which are to be coated with ELASTODECK 5001 HT must be free of contamination such as curing compounds, concrete hardeners, bond breakers, paint, etc.
APPLICATION	▪ 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 GacoSeal SM7120 PU a single component polyurethane sealant manufactured by AMRIZE BUILDING ENVELOPE LLC. ▪ Coverage Rate: 60 sq. ft. per gallon yields → 25 mil WFT, 20 mil DFT. ▪ For lower temperature applications or for when a faster recoat time is needed the ELASTO-DECK 5001HT cure can be accelerated with the addition of GacoPoly Super Cure Rubber (See product data sheet). Add 16 to 32 ounces (1/2-Quart to one full quart) (Maximum) per 5-gallon pail, or 4-7 ounces per gallon. Use a jiffy style mixing paddle at slow speed drill to avoid aerating the pail. Over mixing can cause film defects.
CURE TIME	(Without Accelerator) Allow applied coating to cure 16-24 hours at 77 °F (25 °C) and 55 % R.H. before applying additional coatings.

[1] For specific Health and Safety information please refer to applicable Safety Data Sheet (SDS)

SURFACE CONDITION:

- *Before coating work commences, surface shall be re-inspected and treated as necessary to remove laitance, loose material on the surface, grease, oil, and other contaminants which will affect bond of the coating.*
- ***CONCRETE**: Prior to the application of primer concrete shall be water-cured and attain a minimum 3,000 psi compressive strength for pedestrian deck coating applications and attain a minimum 4,000 psi compressive strength for vehicular deck coating applications.*
- ***CONCRETE PROFILE**: Concrete surfaces should be cleaned by grinding or shot blasting. A CSP of 2-3 is required prior to priming and coating.*
- ***CONCRETE MOISTURE:** Moisture content in the concrete must be lower than 4.5% as measured using a TRAMEX CME 4 or CME 5 Moisture Meter. Depending upon concrete construction and job location, additional concrete testing may be required.*

- ***WOOD MOISTURE:*** *Using a "Pin" type moisture meter, moisture content is at 15% maximum and dropping. The use of Elasto-Poxy Primer VOC may be needed for wood applications where moisture is a concern.*
  Metal/Metal Flashing: *Metal surfaces shall be dry, clean, free of grease, oil, dirt, rust and corrosion, other coatings and contaminants which could affect bond of coating system. Prime metal surfaces with Elasto-Poxy Primer VOC Primer prior to coating with Elasto-Deck 5001HT.*

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).*
- *Material should be stored at temperatures between 60°F (15.6°C) and 95°F (35°C).*
- *Avoid application when inclement weather is present or imminent.*
- *Do not apply to damp, wet, or contaminated surfaces*

MAINTENANCE:

- *Since, as with all deck coatings, the coating is subject to staining by such foreign matter as nitrates, fertilizers, hard water, and other substances, it must be maintained. The manufacturer is not liable for staining caused by hard water deposits, nitrates, fertilizers, and other foreign matter.*
- *If* ***GacoPoly™ Elasto-Deck 5001HT*** *is damaged, it can be repaired by cleaning the surface, priming with ELASTO-POXY PRIMER VOC and recoating with the* ***GacoPoly™ Elasto-Deck 5001HT****.*
- *Please refer to the Maintenance Manual for proper maintenance procedures.*

CLEAN UP:
Equipment and tools should be cleaned immediately after use with acetone or other exempt solvent.