



Product Data Sheet (PDS):

GacoPoly™ ELASTO-DECK
5001NG

Revised: 06/2026

GACOPOLY™ ELASTO-DECK 5001NG SINGLE COMPONENT AROMATIC POLYURETHANE BASECOAT

A. DESCRIPTION:

GacoPoly™ ELASTO-DECK 5001NG is a Liquid-applied, non-gassing, single-component, aromatic, moisture-cured, polyurethane waterproofing membrane.

B. RECOMMENDED USE:

ELASTO-DECK 5001 NON-GASSING is a waterproofing membrane used with the ELASTO-DECK 5000 Series of systems, ELASTO-DECK 5000 W.D.A., ELASTO-DECK 5000 X2 and ELASTO-DECK 5000 M.R.

- 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 exposure.

PACKAGED PRODUCT DATA¹:

PROPERTY	DESCRIPTION
ADHESION	Adheres well to concrete, wood, and metal. See primer recommendations below for specific surfaces.
COLOR AND PACKAGING	Concrete Gray: 5-gallon pails and 1-gallon pails Tan: (Minimums apply) 5-gallon pails only
CHEMICAL RESISTANCE	Meets ASTM C957 specification;
VISCOSITY	Brookfield Viscometer 60 ± 10 poises
SOLIDS	Weight% ASTM D2369 91 ± 2 Volume% ASTM D2369 88 ± 2
STORAGE STABILITY	Unopened – 9 – 12 months at 50 – 80 °F (10 – 27 °C)
TOXICITY	Avoid inhalation. Avoid skin and eye contact; Do not ingest; Wear PPE
V.O.C. ⁴	82 g / L EPA Method 24 <u>SCAQMD-Compliant</u>
ASTM E-108/UL 790	Pass
FLASH POINT	≥ 120°F (49°C)

D. APPLIED PHYSICAL PROPERTIES:

PROPERTY	STANDARD	RESULT
TENSILE STRENGTH	ASTM D412	430 P.S.I. ± 10%
HARDNESS	ASTM D2240	50A-55A Shore A
WATER ABSORPTION	ASTM D471	< 3.5%

BOND STRENGTH ON PRIMED CONCRETE:	ASTM D4541	300 psi
BOND STRENGTH ON PLYWOOD:	ASTM D4541	185 psi
PEEL STRENGTH ON PLYWOOD:	ASTM D903	14 P.L.I. ± 10% (5.25 n/mm)
WATER VAPOR PERMEANCE	ASTM E-96 Procedure B	1.5 ± 0.4 perms
LOW TEMPERATURE CRACK BRIDGING	ASTM C957	Meets/Exceeds

E. APPLICATION:

STEP	INSTRUCTIONS
PRIMER	PER SUBSTRATE 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 Primer, or Elasto-Poxy Primer WB. 3.) METAL: GacoPoly™ Elasto-Poxy Primer VOC, or GacoPoly™ E5320 Primer. Surface Preparation: All surfaces which are to be coated with ELASTODECK 5001 NON-GASSING must be free of contamination such as curing compounds, concrete hardeners, bond breakers, paint, etc.
APPLICATION	- ELASTO-DECK 5001 NON-GASSING is applied by notched squeegee followed by back-roll (3/8-1/2" nap roller). ELASTO-DECK 5001 NONGASSING can be sprayed. Airless spray equipment must have a minimum of 30 to 1 ratio. - Coverage Rate: 56 sq. ft. per gallon yields → 25 mil DFT 45 sq. ft. per gallon yields → 30 mil DFT. - For lower temperature applications or for when a faster recoat time is needed the ELASTO-DECK 5001 NON-GASSING 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 GacoPoly™ Elasto-Poxy Primer VOC Primer or GacoPoly™ E5320 Primer prior to coating with Elasto-Deck 5001NG.

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 5001NG is damaged, it can be repaired by cleaning the surface, priming with ELASTO-POXY PRIMER VOC and recoating with the GacoPoly™ Elasto-Deck 5001NG.
- 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.