



Product Data Sheet:

GacoPoly™
ELASTO-DECK BT DG
Updated 08/2026

GACOPOLY™ ELASTO-DECK BT DG SINGLE COMPONENT VOC COMPLIANT MOISTURE CURED PRIMER

DESCRIPTION:

GacoPoly **ELASTO-DECK BT-DG** is a single component moisture cured, modified Polyurethane Waterproofing Membrane. It is VOC compliant, designed to form a seamless, flexible elastomer impervious to moisture penetration.

ELASTO-BT DG can be applied to Green or Damp Concrete.

ELASTO-DECK BT-DG is designed for both Vertical and Horizontal applications.

USAGE:

- Can be applied to damp concrete reducing project delays
- Waterproofing below grade exterior walls or foundations and Basements or other structures that are to be backfilled.
- Waterproofing inside planter boxes.
- Waterproofing under terrazzo or tile floors.
- Waterproofing under shower pans, kitchen, laundry, and bathroom floors.
- Waterproofing of occupied areas under malls, plazas, and promenades.
- Waterproofing of concrete, plywood, and metal substrates

LIMITATIONS:

All materials shall be delivered to the job site 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.

The material will cure when exposed to air. All surfaces must be completely free of foreign matter and primed, where necessary.

- Do not apply to contaminated surfaces.
- Not to be used as an exposed or wearing surface.
- Use with adequate ventilation.
- Do not use curing compounds to cure concrete
- Concrete forms must be removed for a minimum of 24 hours before ELASTO-DECK BT-DG can be applied.
- Bond Breakers and Form Releases must be removed.
- 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 sets up when exposed to air.
- All surfaces must be completely free of foreign matter. Some substrates may require primer. (ELASTO-POXY Primer VOC or DECK-THANE Primer)

PRODUCT DATA

Color	Black
Consistency	Thixotropic

APPLIED PRODUCT DATA

Weight Per Gallon	7.8 +/- 0.2 pounds (@77°F)
--------------------------	----------------------------

Odor	Mild aromatic odor
Recoat Time	(@77°F) 16-24 hours
Viscosity	250-450 Brookfield Viscometer
Solid Content	92% +/- 2% (Weight) 90% +/- 2% (Volume)
Toxicity	Not certified or intended for use in direct contact with food or in potable water applications.
Flammability	(solid, gas) : No data available
Water Absorption (7 Days @ RT)	1.76% ASTM D471
Tensile Strength (psi)	250 +/- 50
Elongation @ Break %	500 +/- 50

PACKAGED PRODUCT DATA

Hardness (Shore OO)	80 +/- 2 ASTM D2240
V.O.C.	75 grams per liter, EPA Method 24
Flash Point	120°F Pensky Martins CC
Storage Stability	6 months in original unopened container. Protect from freezing in shipment and storage.
Temperature Service Range	-50 F - 180 F (-45°C - 82.2°C)
SURFACE PREPERATION	Concrete - Surface to be waterproofed must be clean and surface dry. Concrete slabs should have a light steel trowel followed by a fine hair broom or equivalent finish and should be water cured. Consult Architect or Engineer for minimum cure time on concrete before water cure can be stopped and foot traffic is permitted. Allow a minimum of 24 hours for concrete surface to dry after stopping water cure on decks or removing forms from walls. - If release agents are present, they must be removed before the application of ELASTO-DECK BT-DG. Following good drainage practices, the structural slab should be sloped to drain a minimum of 1/8" (3.2mm) per running foot (30.5cm). All shrinkage cracks shall be treated with a 60 mil (1.5mm) coating of ELASTO-DECK BT-DG, six inches (15.3cm) wide centered over the crack. Moving structural cracks greater than 1/16" (1.6mm) can be routed out and caulked with SM7120 PU striped with bond breaker tape and coated with a 60 mil (1.5mm) detail coat of Membrane, or treated with fabric embedded in membrane, centered over the crack. Should a primer be desired/required, use ELASTO-POXY PRIMER (VOC) and/or DECK-THANE PRIMER. - At all horizontal-vertical junctures and all projections, a 3/8"-1/2" inch (.95-1.27cm) cant of SM7120 PU, a single component moisture cured polyurethane sealant shall be installed. Integral flashing shall be installed to the height indicated on the drawings. At expansion joints and other areas of potential high movement, fabric embedded into the membrane will be required. - All detailing must be cured a minimum of 12 hours prior to the application of the membrane. Detailing should be wiped clean with Acetone prior to the application of the membrane. In some states, use of non-VOC compliant solvents shall be limited. Plywood - Use exterior grade plywood. - Plywood shall be at least 5/8" thick. (3/4" minimum preferred). Plywood decking needs to be coated as soon as possible to avoid plywood delamination. Some plywood substrates need to be primed with DECKTHANE PRIMER or ELASTO-POXY PRIMER VOC prior to applying the ELASTO-DECK BT-DG.

	- All seams between plywood sheets and those between metal flashing and the plywood deck must be caulked flush and fabric reinforced with Tie-Tex 272 polyester fabric. Spot prime the areas and after a minimum 2–3-hour cure (not to exceed 8 hours) embed (4" minimum) fabric into a stripe coat of ELASTO-DECK BT-DG or SM7120 PU manufactured by AMRIZE BUILDING ENVELOPE LLC. The application of ELASTO-DECK BT-DG can be made after a minimum overnight cure of the fabric reinforcement procedure. <u>Metal/Metal Flashing</u> - All properly prepared metal surfaces shall be clean and free of any oil, rust or other contaminants that would affect bond of coatings. All metal flashing must be primed with ELASTO-POXY PRIMER VOC.
APPLICATION	
Thinning	Thinning is not recommended.
Warnings 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.
Application	ELASTO-DECK BT-DG is applied by roller, brush, or squeegee. - A minimum dry film thickness of 60 mils (1.5mm) is recommended over all surfaces. Extremely porous substrates should be filled prior to coating or receive additional ELASTO-DECK BT-DG. ELASTO-DECK BT-DG (60 mil minimum DFT) Application must be made uniformly to avoid thin spots, and care must be taken to avoid pinholes and repair them should they occur. - Apply two coats at 45 sq. ft. /gallon (0.96 m²/liter) per coat, allowing for an overnight cure (16-24 hours) between coats. A protection course must be used prior to backfilling or pouring of the concrete topping slab. ELASTO-DECK BT-DG (90 mil minimum DFT) Application must be made uniformly to avoid thin spots, and care must be taken to avoid pinholes and repair them should they occur. Apply three coats at 45 sq. ft. /gallon (0.96 m²/liter) per coat, allowing for an overnight cure (16-24 hours) between coats. A protection course must be used prior to backfilling or pouring of the concrete topping slab.
Maintenance	If ELASTO-DECK BT-DG is damaged, it can be repaired by cleaning the surface, priming with DECKTHANE Primer and/or ELASTO-POXY PRIMER (VOC) and recoating with ELASTO-DECK BT-DG .
Clean Up	Because of the difficulty in cleaning up or removing cured ELASTO-DECK BT DG , equipment and tools should be cleaned immediately after use with Acetone or similar VOC exempted solvents available in the market. Use only water-based hand cleaners for skin clean up.
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.

For specific Safety and Health information, please refer to Safety Data Sheet.