



Product Data Sheet (PDS):

GacoPoly™ ELASTO-DECK 6500
Series

Revised: 07/2026

GACOPOLY™ ELASTO-DECK 6500 PT/VT TWO-COMPONENT, ALIPHATIC POLYURETHANE TRAFFIC COATING SYSTEM

A. DESCRIPTION:

GacoPoly™ **ELASTO-DECK 6500** is a two component, aliphatic, UV stable, high solids, polyurethane, low odor, elastomeric traffic coating system. It is liquid applied and flexible. It is mixed at a 10:1 (By volume) ratio. **ELASTO-DECK 6500** is designed for pedestrian and vehicular traffic applications such as parking decks, roof decks, balconies, breezeways, and mechanical rooms.

B. RECOMMENDED USE:

Designed for Vehicular and Pedestrian Traffic applications that includes but not limited to parking decks, roof decks, balconies/Patios, breezeways, and mechanical Rooms.

PACKAGED PRODUCT DATA¹:

PROPERTY	DESCRIPTION
ADHESION	Adheres well to concrete, wood, and metal. See primer recommendations below for specific surfaces.
COLOR	Concrete Gray, Aluminum Gray, Tan, and White *Minimums may apply for some colors
CHEMICAL RESISTANCE	Meets ASTM C957 specification;
THEORETICAL COVERAGE	80 ft ² / gal / Mil (20 mil) A&B Combined Coverage: 4.5-gal kit 350-360 ft ² per kit (20 mil DFT).
SOLIDS	98% ASTM D2369
STORAGE STABILITY	Part A, Part B: Unopened – 9 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	19 g / L EPA Method 24 <u>SCAQMD-Compliant</u> .
ASTM E-108/UL 790	Pass
FLASH POINT	Part A: > 200°F (93.3 °C) / Part B: >200 °F (93.3°C) ASTM D-3278 (Seta Flash)
WEATHERABILITY	Excellent

C. **DETAIL WORK:** For detailing cracks, joints, penetrations, use SM7120 PU polyurethane sealant

D. **Detail fabric:** Perma-Glas Mesh, TieTex 272 Fabric

E. APPLIED PHYSICAL PROPERTIES:

PROPERTY	STANDARD	REQUIREMENT	RESULT
TENSILE STRENGTH	ASTM D412		3000 psi. ± 10%
ELONGATION	ASTM D412 /	-	300% ± 10%
HARDNESS	ASTM D2240	-	90 ± 5 Shore A
TEAR RESISTANCE	ASTM D624, Die C	-	375 ± 25 lb / in (66.9 ± 4.5 kg(f) / cm)
WATER ABSORPTION	ASTM D471	-	< 1.5%
WATER VAPOR PERMEANCE	ASTM E-96 Procedure B	-	1 perm
LOW TEMPERATURE CRACK BRIDGING	ASTM C957	-	Meets/Exceeds

MATERIALS	Recommended materials and their uses are as follows:
	▪ SM7120 PU A one-part gun grade, non-staining, polyurethane sealant ▪ ELASTO-POXY PRIMER VOC A two-component VOC compliant primer for use on concrete and metal/metal flashing. ▪ GACOFLEX E5691 A three-component (Parts A, B, & water), 32% volume solids, waterborne-epoxy penetrating sealer and primer used to promote adhesion of GacoPoly coatings. ▪ ELASTO-POXY PRIMER W.B A two-component, solvent free, water-based epoxy primer for use on concrete. ▪ AGGREGATE: GILLIBRAND SILVER SAND or equal, which imparts the slip resistant texture and contributes to wear resistance. ▪ PERMA-GLAS MESH ® is a thermally set, spun-bonded polyester non-woven fabric made up of 100% continuous polyester filament fibers that are randomly arranged and reinforced with a 5x5 polyester scrim for added strength and stability.

F. APPLICATION:

STEP	INSTRUCTIONS
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 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 surfaces shall be dry, clean, free of grease, oil, dirt, rust and corrosion, other coatings and contaminants which could affect bond of coating system, and without
	SURFACE PREPARATION ▪ Thoroughly clean all surfaces to receive coating materials in strict compliance with Manufacturer's written instructions and recommendations. Remove oil and grease with a commercial grade alkaline cleaner; thoroughly rinse and dry. Prepare all concrete surfaces by grinding or shot-blasting. Rout or saw cut all cracks exceeding 1/16" (.16cm) in width and caulk with SM7120 PU. ▪ Caulk all expansion, control joints, and construction joints to be overcoated by deck coating with SM7120 PU. Protect adjacent surfaces with drop cloths or masking as required. Flashing: ▪ Provide fluid applied flashings at all locations where a horizontal surface butts a vertical surface and at all deck penetration as specified. ▪ Projections through deck coatings such as posts, vents, pipes, stanchions, railings, and similar locations of potential slight movement, provide a 1/4" (0.64 cm) bead of SM7120 PU. Tool sealant to form a cove and allow to cure before over-coating.
PRIMER	PER SUBSTRATE TYPE: 1.) WOOD: Wood, clean, dry-No primer necessary. 2.) CONCRETE: Elasto-Poxy Primer VOC, GacoFlex E5691, Elasto-Poxy Primer WB. 3.) METAL: Elasto-Poxy Primer VOC, GacoFlex E5320. Prime all concrete masonry surfaces. Apply primers at coating Manufacturer's recommended rate. ELASTO-POXY PRIMER VOC or E5691 primer shall be applied at the rate of 225-300 sq.ft. per gallon.
MIXING	▪ Material will perform best when applied between 70°F and 80°F. ▪ Lightly stir the A-Component (pigmented side) for 1-3 minutes using a jiffy mixing blade to evenly distribute the pigments that may have settled to the bottom of the container. ▪ Pour "B" Component (clear side) into the "A" Component. Scrape the container to drain all the "B" Component into the "A" Component. ▪ Immediately mix thoroughly using a jiffy mixing blade attached to a low-speed drill (400 – 500 rpm speed) to a uniform color without any streaks. Mix for 2-3 minutes.
POT LIFE	25 ± 5 minutes at 70 °F (21 °C) and 50 % R.H.
APPLICATION	▪ Once mixed, immediately pour ELASTO-DECK 6500 onto the surface of the substrate. Use an 1/8" notched squeegee to evenly apply the material, then back-roll using a 3/8" nap roller cover. Note: Higher temperatures will reduce the work life. ▪ Use of a spiked roller during application can reduce pinholes and bubbles. ▪ ELASTO-DECK 6500 PT (Pedestrian Traffic): ELASTO-DECK 6500 shall be applied to the primed concrete at a rate of 80 square feet per gallon (20 mil WFT). Following a 12-16 hour cure of the ELASTO-DECK 6500, apply ELASTO-DECK 6500 at the rate of 80 square feet per gallon (20 mil WFT), while coating is in a fluid condition broadcast desired aggregate (Typically

	#16) at the rate of 12-15 pounds per 100 square feet and back-roll to ensure even distribution of the aggregate. ▪ Allow a minimum 48-hour cure before permitting any light foot traffic onto the finished system. ▪ ELASTO-DECK 6500 VT (Vehicular Traffic): ELASTO-DECK 6500 shall be applied to the primed concrete at a rate of 80 square feet per gallon (20 mil). Following a 12-16 hour cure apply ELASTO-DECK 6500 at the rate of 80 square feet per gallon (20 mil), while coating is in a fluid condition broadcast desired aggregate (Typically #16) at the rate of 12-15 pounds per 100 square feet and back-roll to ensure even distribution of the aggregate. ▪ Turn Radius and Ramp areas will receive an additional broadcast and back roll coat at the rate of 80 square feet per gallon (20 mil), while coating is in a fluid condition broadcast desired aggregate (Typically #16) at the rate of 12-15 pounds per 100 square feet and back-roll to ensure even distribution of the aggregate. ▪ Allow a minimum of 72-96 hours cure time before allowing vehicular traffic onto the finished system.
DRY TIME	Applied coating will be tack free in two (2) hours at 77 °F (25 °C) and 55 % R.H. Suitable for light foot traffic after a minimum forty-eight (48) hours of cure time. For vehicular traffic, add an additional twenty-four (24-48) hours of cure time.
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
MAINTENANCE	▪ Since, as with all deck coatings, the topcoat 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 6500 is damaged, it can be repaired by cleaning the surface, priming with ELASTO-POXY PRIMER VOC and recoating with the GacoPoly ELASTO-DECK 6500 system. ▪ 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.

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