GACOPOLY™ FASTPASS THREE-COMPONENT, ALIPHATIC POLYURETHANE TRAFFIC COATING SYSTEM

A. DESCRIPTION:

GacoPoly™ FASTPASS Series is an aliphatic, high solid, low odor, chemically cured, single step Polyurethane Traffic Coating System. The system is comprised of three components, including aggregate to give excellent anti-slip property.

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 DATA[1]:

PROPERTY	*DESCRIPTION*
ADHESION	Adheres well to concrete, wood, and metal. See primer recommendations below for specific surfaces.
COLOR	**Concrete Gray, Tan, and Pewter** Minimums may apply for some colors
CHEMICAL RESISTANCE	Meets ASTM C957 specification;
THEORETICAL COVERAGE	Vehicular: 32-33 ft² / gal / Mil (45-48 mil) *A&B Combined Coverage:* *4.5-gal kit 144-148 ft² per kit (45-48 mil DFT).* Pedestrian: 45 ft² / gal / Mil (35 mil) *A&B Combined Coverage:* *1.5-gal kit 68 ft² per kit (35 mil DFT).*
SOLIDS	**98%** ASTM D2369
STORAGE STABILITY	Component A, Component B and Aggregate: 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 ***SCAQMD-Compliant*** .
ASTM E-108/UL 790	Pass
FLASH POINT	**Component A:** > 200°F (93.3 °C) / **Component B:** >200 °F (93.3°C) ASTM D-3278 (Seta Flash)
WEATHERABILITY	Excellent

C. DETAIL WORK: For detailing cracks, joints, penetrations, or fabric reinforcement use Permathane SM7120 PU polyurethane sealant

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

E. APPLIED PHYSICAL PROPERTIES:

PROPERTY	*STANDARD*	*RESULT*
TENSILE STRENGTH	ASTM D412	3000 psi. ± 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

F. APPLICATION:

STEP	INSTRUCTIONS
PRIMER	**PER SUBSRTATE TYPE:** **1.) WOOD:** Wood, clean, dry-No primer necessary **2.) CONCRETE: Elasto-Poxy Primer VOC**, **GacoFlex E5691** **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	▪ After opening the pail lid, remove the plastic tray insert that contains the Aggregate and Catalyst. Remove the tray insert and place it on the lid. Remove the Catalyst Can and set it aside next to the insert. ▪ Caution! Use care while Mixing the Kit. Prevent whipping air into the material while mixing – use a slow and methodical mixing approach. ▪ Lightly stir the Pigmented A-Component in the pail for about a minute Using a jiffy mixing blade and a low-speed mechanical mixer (400 – 500 rpm speed) to evenly distribute the pigments and obtain a uniform color. ▪ Slowly add the pre-proportioned aggregate from the tray insert into the A-Component under low-speed mixing. Scrape the bottom and sides of the pail and ensure aggregate is evenly mixed within the A-Component. Mix for 2 minutes. ▪ Slowly pour the B-Component into the Aggregate Mixed Component Pail while mixing so that the B-Component gets pulled into the vortex of the mixing paddle. Scrape the sides of the container to ensure a good mix. Mix for 2 - 3 minutes until a homogenous mixture and a uniform color is obtained.
POT LIFE	25 ± 5 minutes at 70 °F (21 °C) and 50 % R.H.
APPLICATION	▪ After mixing, immediately pour the mixed GACOPOLY™ ™ FASTPASS kit onto the substrate. Caution! Leaving the mixed material in the pail will shorten the working time and pot life that will result in loss of material. To achieve an effective squeegee application, pour the mixed material in a ribbon fashion and not into one large puddle. ▪ Using V-Notched Squeegee or a trowel (3/8" for the vehicular kit, and ¼" for the pedestrian kit, (At an angle) apply GacoPoly™ ™ FASTPASS over the entire area including the detailed areas (cracks, joints, flashing etc.). To

	prevent improper thickness. the notched squeegee must be stiff enough to not bend when pressure is placed on it. ▪ Push the squeegee behind ribbon of material with consistent pressure on the squeegee. Do not pull squeegee towards the applicator. The Material applied should pass through the squeegee notches. After squeegeeing material to proper thickness, using a shed free, solvent resistant roller cover (1/4" nap for Vehicular or Pedestrian), back-roll the applied material in two directions, one perpendicular to the other. ▪ To achieve proper thickness, wet the roller with the material prior to back-rolling. Dry roller will result in improper thickness. Do not apply pressure with roller. Do not push material with roller. Avoid back-rolling more than one time in each direction to prevent inconsistent texture. A spiked roller could be considered also to help control blisters, craters, and/or pinholes
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 thirty-six (36) hours of cure time. For vehicular traffic, add an additional twenty-four (24) hours of cure time.

[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 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*

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™ FASTPASS** is damaged, it can be repaired by cleaning the surface, priming with ELASTO-POXY PRIMER VOC and recoating with the **GacoPoly™ FASTPASS** 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.