



# ELASTO-DECK 6500 BC

## TWO COMPONENT, ALIPHATIC /AROMATIC HIGH SOLIDS, LOW ODOR TRAFFIC COATING SYSTEM

### TECHNICAL DATA SHEET

#### PRODUCT DESCRIPTION:

**PACIFIC POLYMERS® ELASTO-DECK 6500 BC** is two component, aliphatic / aromatic high solids, 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 BC** is designed for interior parking deck surfaces.

#### ADVANTAGES:

- High Resistance to abrasion.
- Dirt Resistant
- Low Odor
- Durable and Flexible Coating.
- Provides very good impact resistance.
- Excellent Weathering.
- Easy to clean with detergent and water.
- Fast Drying

#### LIMITATIONS:

- All surfaces must be completely free of foreign matter and primed with **ELASTO-POXY PRIMER W.B** (low odor) or **ELASTO-POXY PRIMER VOC**, where necessary.
- **ELASTO-DECK 6500 BC** has a very short work life, so once it is mixed; the coating must be poured onto surface and applied immediately.
- Not suggested for harsh chemical exposure.
- Not UV stable.

#### WARNING 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.

#### AVAILABILITY AND COST:

- **ELASTO-DECK 6500 BC** is supplied through building material dealers.
- These products are designed and manufactured to be installed by professional installers familiar with surface preparation and application procedures. All others should consult a professional installer; those who choose to install these products without professional assistance do so at their own risk.

#### TYPICAL PROPERTIES:

PROPERTY	TYPICAL RESULTS
Pot Life @75°F	25 ± 5 minutes
Color	Concrete Grey
Shore "A" Hardness (ASTM D2240)	85A ± 5A
Tack-Free Time at 77°F (25°C) and 55% R.H.	3 hrs.
Re-Coat Time at 77°F (25°) and 55% R.H.	16-24 hrs.
Cure-Time at 77°F (25°) and 55% R.H.	72 hours
Weight per Gallon: A Component B Component	9.53 lbs/ gal 8.09 lbs/ gal
Moisture Vapor Transmission (ASTM E96)	1 perm
Water Absorption (1 day @ 158°F + 3 days @ RT) (ASTM D570)	0.34% By weight
Solid Content (ASTM D2369)	> 98%
Viscosity: A Component B Component	3000-4000 cps 100 cps
V.O.C.	32 g/L, EPA Method 24
Flash Point	200°F (100°C)
Tensile Strength (ASTM D412)	1987 psi. ± 10%
Elongation at Break (ASTM D412)	600% ± 10%
Bond Strength (ASTM D4541)	400 psi concrete failure
Tabor Abrasion (ASTM D4060)	0.078mg wt loss
Tear Strength (ASTM D624)	269 lb/in ± 10
ASTM E-108/UL 790	Pass
Weight Loss % (ASTM C836)	<15%
Low Temperature Flexibility	Passes
Chemical Resistance (ASTM D471)	Passes
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 6 – 9 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	

**Standards:** Complies with ASTM C957

#### INSTALLATION:

##### SURFACE CONDITION:

- Before coating work is commenced, 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.
- The following is a "mat test" which is accomplished by placing a 2' x 2' (0.6m x 0.6m) non-breathing rubber or vinyl mat directly

ITW POLYMERS SEALANTS NORTH AMERICA, INC.

111 S. Nursery Road. Irving, TX 75060  
Tel: 972-438-9111 Fax: 972-554-3939 [www.itwsealants.com](http://www.itwsealants.com)

2/21/2016

onto the substrate. The edges of the mat are to be taped to the surface. The mat is removed after a minimum of 4 daylight hours. If there is no visible condensate, the Applicator may begin coating operations.

- Concrete surfaces shall be visibly dry and pass a 4-hour rubber mat test (no condensate) prior to application of coating system. Mat shall be taped to deck on all sides.
- 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 sharp edges or offsets at joints. Metal substrates shall be primed with **ELASTO-POXY PRIMER VOC**
- Commencement of coating installation implies acceptance of that surface area, as it regards the suitability of the surface to accept the coating systems.

#### **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 sandblasting, shot-blasting, or acid etching with a 10-15% solution of muriatic acid. Flush all acid with clean water and allow to dry.
- Rout or saw cut all cracks exceeding 1/16" (.16cm) in width and caulk with **Permathane® SM7108** or **ELASTO-THANE 227/227R**
- Caulk all expansion, control and construction joints to be over coated by deck coating with **Permathane® SM7108** 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.
- At 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 **Permathane® SM7108**. Tool sealant to form a cove and allow to cure before over-coating.

#### **Primer and Detail Work:**

- Concrete Primer: Prime all concrete masonry surfaces. Apply primers at coating Manufacturer's recommended rate. Prime coat may be allowed to completely dry but shall not be applied more than 8 hours preceding application of deck coating. **ELASTO-POXY PRIMER VOC** or **W.B.** or shall be applied at the rate of 225-300 sq.ft. per gallon (7.36m<sup>2</sup>/liter). Mix only enough for use over a 2 hour period (max.). Allow a minimum dry time of 2 hours not to exceed 8 hours. Install deck coating base coat on the same day.
- Apply 25 mil (0.63 mm) dry film thickness of base coat material over all flashings (sheet flashings, sealant coves and rigid corners). Extend coating 2" (5.08 cm) beyond flashing out onto adjacent deck surface. Unless otherwise indicated on Drawings or where limited by height of base, extend coating a minimum of 1" (2.54 cm) above the top of the flashing and terminate in a neat straight line. Use masking tape for such purpose.
- Apply 25 mil (0.63 mm) dry film thickness of base coat material over and for a distance of 1-1/2" (3.8 cm) on each side of all cracks. Do not permit coating to extend over any joints larger than 1" (2.54 cm) nominal width and/or any joints which may

move in excess of 25% of nominal dimension. This requirement shall apply to detail coatings as well as deck coatings.

- Apply 25 mil (0.63mm) dry film thickness of base coat material over and for a distance of 2" (5.08 cm) on each side of all expansion joints, control joints and construction joints to be coated.

#### **APPLICATION:**

- 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.
- Once mixed, immediately pour **ELASTO-DECK 6500BC** onto the surface of the substrate. Use squeegee to evenly apply the material, then back-roll using a roller to break air bubbles. Note: Higher temperatures will reduce the work life.
- Use of a spiked roller during application can reduce pinholes and bubbles.

#### **EXTRA HEAVY/ HEAVY DUTY DECK (45±2 mil thickness)**

- **ELASTO-DECK 6500 BC** shall be applied to the primed concrete at a rate of 70 square feet per gallon.
- Following a 16 – 24 hour cure of the **ELASTO-DECK 6500 BC**, apply the **ELASTO-DECK 6500 BC** at the rate of 160 square feet per gallon and while coating is in a fluid condition, broadcast desired aggregate at the rate of 10 – 15 lbs per 100 sq. ft. followed by back-roll.
- After an overnight cure, apply **ELASTO-DECK 6500 BC** at a rate of 135 square feet per gallon. Allow a minimum of 48 hours cure time before allowing light pedestrian traffic on the finished system.

#### **NORMAL DUTY DECK (37 +/- 2 mil thickness)**

- **ELASTO-DECK 6500 BC** shall be applied to the primed concrete at a rate of 100 square feet per gallon.
- Following a 16 – 24 hour cure, apply the **ELASTO-DECK BC** at a rate of 160 square feet per gallon and while coating is in a fluid condition, broadcast desired aggregate and back-roll at a rate of 10 – 15 lbs per 100 sq. ft.
- After an overnight cure, apply **ELASTO-DECK6500 BC** at a rate of 135 square feet per gallon.

#### **EXTREME EXPOSURE/TRUCK LOADING DECK (60+/- 2 mil thickness):**

- **ELASTO-DECK 6500 BC** shall be applied to the primed concrete at a rate of 80 square feet per gallon.
- Following a 16 – 24 hour cure of the **ELASTO-DECK 6500 BC**, apply the **ELASTO-DECK 6500 BC** at the rate of 80 square feet per gallon and while coating is in a fluid condition, broadcast desired aggregate at the refusal.
- After an overnight cure, sweep off all loose aggregate and apply **ELASTO-DECK 6500 BC** at a rate of 80 square feet per gallon.

- Allow a minimum of 72 hours cure time before allowing any light or heavy traffic on the finished system. Winter months may require additional 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 **ELASTO-DECK 6500** is damaged, it can be repaired by cleaning the surface, priming with ELASTO-POXYPRIMER VOC and recoating with the **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.

**PACKAGING:** 4.5 gallon kit

#### MATERIALS:

Recommended materials and their uses are as follows:

- **PERMATHANE®SM7108** a one part gun grade, non-staining, polyurethane sealant
- **ELASTO-THANE 227/227R** is a two part gun grade, non-staining, polyurethane sealant.
- **ELASTO-POXY PRIMER W.B** A two-component, solvent free, water based epoxy primer for use on concrete.
- **ELASTO-POXY PRIMER VOC** A two-component VOC compliant primer for use on concrete and metal/metal flashing.
- **AGGREGATE.** Monterey sand or equal, which imparts the slip resistant texture and contributes to wear resistance.

#### TECHNICAL SERVICE

All of the latest updates to product data and specifications are available at [www.pacpoly.com](http://www.pacpoly.com). Since product data and specifications change, it is the user's responsibility to make certain the most current versions of product data and specifications are being used.

#### PRODUCT WARRANTY:

**SATISFACTORY RESULTS DEPEND NOT ONLY UPON QUALITY PRODUCTS BUT ALSO UPON FACTORS BEYOND OUR CONTROL; METHODS OF APPLICATION AND SITE CONDITIONS ARE EXAMPLES OF SUCH FACTORS AND CAN AFFECT PRODUCT PERFORMANCE. THIS WARRANTY CONSEQUENTLY EXTENDS ONLY TO PRODUCTS INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. IT IS THE USER'S RESPONSIBILITY TO SATISFY HIMSELF, BY HIS OWN INFORMATION AND TESTS, OF THE SUITABILITY OF THE PRODUCT FOR HIS OWN INTENDED USE; USER ASSUMES ALL RISK AND LIABILITY RESULTING FROM HIS USE OF THE PRODUCT. THE SUBSTRATE TO WHICH THE PRODUCT IS APPLIED MUST BE SOUND STRUCTURALLY AND OTHERWISE. STRUCTURAL OR SUBSTRATE FAILURES OR IMPERFECTIONS RESULTING IN DAMAGE TO OR FAILURE OF THE PRODUCT ARE NOT COVERED BY THIS WARRANTY.**

**SINCE THE USE OF THE PRODUCT IS BEYOND THE CONTROL OF THE MANUFACTURER, THE MANUFACTURER ASSUMES NO LIABILITY FOR MISAPPLICATION AND MISUSE OF THE PRODUCT.**

**THIS WARRANTY DOES NOT COVER CONSEQUENTIAL DAMAGES, NOR DOES IT COVER THE LABOR ATTENDANT TO REPLACING PRODUCT IN THE EVENT OF A PRODUCT FAILURE. THE WARRANTY ONLY EXTENDS TO REPLACEMENT OF THE PRODUCT ITSELF.**

**ALL PRODUCTS PROVEN TO BE DEFECTIVE IN MANUFACTURE WILL BE REPLACED AT NO CHARGE. SINCE THE USE OF THESE PRODUCTS IS BEYOND OUR CONTROL WE CANNOT ASSUME ANY RISK OR LIABILITY FOR RESULTS OBTAINED, NOR CAN WE ACCEPT DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THESE PRODUCTS.**

Complete technical information is available from  
ITW Polymers Sealants North America, Inc.