

Master SPECIFICATION



COATINGS • SEALANTS • MEMBRANES • POLYUREAS • EPOXIES • PRIMERS



ELASTO-DECK™ SYSTEM

Traffic Topping Master Spec 07570

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PART I GENERAL

1.1 REFERENCE

If the following paragraphs are used, edit the optional phrases and, if necessary, the complete paragraphs, to agree with wording used in similar paragraphs of other Sections of the Project Specifications.

- A. Requirements established within the portions of this Project Manual titled ["Conditions of the Contract"] [and] [Division 1, General Requirements,] are collectively applicable to work required of this Section.

1.2 WORK SUMMARY

- A. Provide labor, materials, equipment and supervision necessary to complete the fluid applied [vehicular] [pedestrian] [mechanical room] deck coating work.

Use the following sub-paragraphs if more than one deck coating system is to be used and edit so that application areas are properly described. If the following is to be used, move the line fragment "including the following" up to complete the last line preceding the paragraph. including the following:

- 1. ELASTO-DECK™ 5000 TC System shall be installed
- [as indicated on Drawings.]
- [at _____]

Install the 3 parts of this system as follows:

- 1a. Parking and pedestrian areas
- [as indicated on Drawings.]
- [at _____]
- 1b. Driving aisles and ramps and all other areas [
- [as indicated on Drawings.]
- [at _____]
- 2. ELASTO-DECK™ 5000 PDS System shall be installed
- [as indicated on Drawings.]
- [at _____]
- 2a. Parking and pedestrian areas
- [as indicated on Drawings.]
- [at _____]
- 2b. Driving aisles (except high radius turns)
- [as indicated on Drawings.]
- [at _____]
- 2c. Ramps, entrances, exits, high radius turns, ticketing machines, pay booths
- [as indicated on Drawings.]
- [at _____]
- 3. ELASTO-DECK™ 5000 X2 System shall be installed
- [as indicated on Drawings.]
- [at _____]
- 4. ELASTO-DECK™ 5000 WDA System shall be installed
- [as indicated on Drawings.]
- [at _____]
- 6. ELASTO-DECK™ 5000 MR System shall be installed
- [as indicated on Drawings.]
- [at _____]

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Edit from and add to the following list cautiously. Wording in any Section whose work influences, or is influenced by, this Section should be carefully evaluated to assure complimentary conditions exist.

1. Expansion Joints: Section 03250
2. Cast-in-Place Concrete: Section 03300
3. Concrete curing: Section 03370
4. Metal Decking: Section 05310
5. Nails, Screws, Fasteners and Adhesives: Section 06050
6. Plywood Decking: Section 06115
7. Parking & Traffic Control Markings: Section 02600
8. Metal Flashings: Section 07600

1.3 QUALITY ASSURANCE

- A. Qualifications: Manufacturer of the coating system[s] shall have a minimum of 5 years experience in the manufacture of fluid applied deck coatings. The System Applicator shall be licensed by the Manufacturer and shall have a minimum of 5 years experience in application of fluid applied deck coatings. See Certifications requirements specified under "Submittals" article of this Section.

1.4 SUBMITTALS

- [No submittals required]
- [Submit: _____]
Edit the following paragraphs to properly describe submittals and procedures required.
In compliance with
- [Section 01300]
- [General and Supplementary General Conditions] provide submittals identified in the following paragraphs.
- Samples: Submit samples of coating system[s] applied to 1/4" plywood or similar rigid base. Submit one sample of each color coating to be used.
- Manufacturer's Literature: Submit complete Manufacturer's literature and technical data for the deck coating system(s) proposed.
- Certification: Submit, via Contractor's transmittal, properly identified with Project Name, location and date, certification of Manufacturer's and Applicator's compliance with requirements of "Quality Assurance" article of this Section.
- Evidence of compliance for both Manufacturer and Applicator shall include a list of at least 5 projects of a similar nature which have been installed during the last 5 years.
- Applicator's Certificate: Submit copy of Licensed Applicator Certificate issued by Manufacturer.
- Maintenance Manual: Upon completion of the work required by this Section, Submit one Maintenance Manual, identified with Project Name, location and date; type of coating material applied; and, surfaces to which system was applied, including sketches where necessary.
- Include recommendations for periodic inspections, care and maintenance. Identify common causes of damage with instructions for temporary patching until permanent repairs can be made.
- See also specimen guarantee attached to this document.

- Guarantee: Upon completion and acceptance of the work required by this Section, submit an executed copy of the manufacturer's guarantee.

1.5 PRODUCT DELIVERY AND STORAGE

- A. Deliver materials to jobsite in sealed, undamaged containers. Each container shall be identified with material name, date of manufacture and/or lot number.

1.6 JOB CONDITIONS

- A. Install coating materials under conditions where all of the following conditions are met:
1. Concrete has not been treated with any substance which will adversely affect adhesion or performance.
 2. Rain is not anticipated within 8 hours of application,
 3. Substrate surface temperatures are above 40°F. (5°C.) and lower than 110°F. (44°C.).
 4. Positive ventilation for interior applications can be continuously supplied throughout application period and 8 hours after.
 5. Open fires and spark producing equipment are not, and will not be, in application area until vapors have dissipated.
- B. Post 'No Smoking' signs in area during and for at least 8 hours following application period.
- C. Strictly adhere to special requirements of Manufacturer as modified by applicable rules and regulations of local, state and federal authorities having jurisdiction.

PART 2 PRODUCTS

2.1 GENERAL

1. Components shall be products of a single approved Manufacturer, or shall be certified by the approved Manufacturer as compatible with components produced by him.

2.2 DECK COATING

- Coating material shall be polyurethane elastomer based, meeting or exceeding minimum physical properties listed in the table on page 7, and capable of producing a seamless, waterproof, traffic bearing deck coating resistant to fuels, oils, solvents and cleaning compounds.
- Color of top coating shall be [concrete grey] [aluminum grey] [limestone] [tan] [black] [beige] [off-white] [other] and installed as indicated on Drawings.
- If in compliance with this Specification, the following systems will be acceptable:
- Manufacturer: Pacific Polymers, Inc., 12271 Monarch Street, Garden Grove, CA 92841 (714) 898-0025.
- ELASTO-DECK™ 5000 TC System (Traffic Compensated)
- ELASTO-DECK™ 5000 PDS System (Spatter Coat Finish)
- ELASTO-DECK™ 5000 X2 System (Pedestrian)
- ELASTO-DECK™ 5000 WDA System (Pedestrian)
- ELASTO-DECK™ 5000 MR System (Mechanical Room)
- [Manufacturer _____]
- [Manufacturer _____]

2.3 RELATED MATERIALS

1. Sealant: \ 230 or \ 227. Do not specify silicone sealants
2. Backer Rod: Expanded polyethylene rod equal to "Ethafoam" by Dow Chemical.
3. Flashing Tape: Woven glass cloth tape, commercial grade.
4. Sheet Flashing: .050" thick, precured, commercial grade neoprene.
5. Aggregate: Cleaned and graded silicon carbide, 20 mesh; 24 mesh silica sand, commercially prepared ground walnut shells, as recommended by approved coating Manufacturer.

PART 3 EXECUTION

3.1 CONDITION OF SURFACES

Edit following paragraphs to indicate the types of substrate conditions. Verify that requirements of other Sections do not conflict with following paragraphs.

- Before coating work is commenced, surface shall be reinspected and treated as necessary to remove laitance, loose material on the surface, grease, oil and other contaminants which will affect bond of the coating. Surfaces shall be left free of contaminants. Broom and vacuum clean.
- A 'mat test' is required, accomplished by placing a 2' x 2' non-breathing rubber or vinyl mat directly 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.
- Descriptions for plywood surfaces should be deleted if there are no plywood substrate surfaces on this Project.
- 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.
- Verify that only sodium silicate based curing compounds are used to cure concrete in coating areas.
- 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.
- Plywood decks shall be dry, clean, sound and well nailed and/or glued, free of voids and without offsets at joints. Ensure that all nail heads are driven flush with surface. Plywood edges shall be tongue and groove or supported on solid lumber framing or blocking to prevent differential deflection of the panels.
- Commencement of coating installation implies acceptance of that surface area, as it regards the suitability of the surface to accept the coating systems.

3.2 PREPARATION

1. 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, blast tracking, or by etching with a 10-15% solution of muriatic acid. Flush all acid with clean water and allow to dry.

2. Rout or sawcut all cracks exceeding 1/16" in width and caulk with sealant, in accordance with approved coating Manufacturer's recommendations.
3. See Appendix "A" for reference to special condition on precast deck with topping or leveling slab.
4. Caulk all expansion, control and construction joints to be over-coated by deck coating with coating Manufacturer's sealant.
5. Protect adjacent surfaces with drop cloths or masking as required.

3.3 FLASHINGS

1. Provide fluid applied flashings at all locations where a horizontal surface abuts a vertical surface and at all deck penetration as specified.
2. At locations of potential high movement such as wall/slab intersections which are not structurally and rigidly connected, provide 10" min. width of precured sheet flashing or reinforce coating with one layer of uncoated, woven fiberglass cloth. Where sheet flashings are used, they shall be free or unbonded to the substrate within 2" vertically and horizontally from meeting angle but shall be fully bonded for not less than 2" on vertical surface and 4" on horizontal surface. Do not use precured sheet flashings over expansion joints in horizontal surfaces.
3. At projections through deck coatings such as posts, vents, pipes, stanchions, railings and similar locations of potential slight movement, provide a 1/4" bead of coating Manufacturer's recommended sealant. Tool sealant to form a cove and allow to cure before overcoating.

3.4 PRIMER & DETAIL WORK

1. Primer: Prime all concrete, masonry and metal surfaces. Apply primers at coating Manufacturer's recommended rate. Concrete prime coat shall be allowed to completely dry but shall not be applied more than 8 hours preceding application of deck coating. Metal prime coat may be applied up to 1 hour prior to application of deck coating.
2. On concrete which has not cured for 28 days, but which must be coated, use Elasto-Poxy Concrete Primer applied at the rate of 300 sq. ft. per gallon. Mix only for use over a 2 hour period (max.). Install deck coating base coat on the same day and within 4 hours following application of the primer. Allow primer to become slightly tacky to the touch before installing base coat.
3. Apply 25 mil dry film thickness of base coat material over all flashings (sheet flashings, sealant coves and rigid corners). Extend coating 2" 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" above the top of the flashing and terminate in a neat straight line. Use masking tape for such purposes.
4. Apply 25 mil dry film thickness of base coat material over and for a distance of 1-1/2" on each side of all cracks.
5. Do not specify coating to extend over any joints larger than 1" 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. In order to provide for

aesthetic continuity it is allowable to specify a 'paint' coat of the top coating material to be applied over the cured joint.

6. Apply 25 mil dry film thickness of base coat material over and for a distance of 2" on each side of all expansion joints, control joints and construction joints to be coated.
7. The table on page 7 shows the number of coats, mil thicknesses of each coat and aggregates for the different types of deck coating systems. It is included to provide the Specifier with a comprehensive presentation of the various types of deck coating systems included in this document. Review the table with respect to the system or systems to be specified and edit the following articles as to coating type and thickness.

3.5 APPLICATION - ELASTO-DECK™ 5000 TC

A. Parking and Pedestrian Areas:

1. Base Coat: Apply ELASTO-DECK™ 5001 at the rate of 60 sq. ft. per gallon to produce a 25 mil dry film thickness. Coating may be installed with squeegee and backroll or spray. Allow to cure 16 hours min. At temperatures less than 75°F. (24°C.) and/or relative humidity less than 50%, extend curing time.
2. Top Coat: Apply ELASTO-GLAZE™ 6001 at the rate of 66 sq. ft. per gallon to produce a 15 mil dry film thickness. Coating may be applied by squeegee or spray. While coating is in a fluid condition, broadcast 20•24 mesh silicon carbide grit at the rate of 5-7 lbs./100 sq. ft. and backroll to ensure even distribution of the grit. Allow to cure 16 hours min. At temperatures less than 75°F. (24°C) and/or humidity less than 50%, extend curing time before allowing any traffic. At least 72 hours total cure time should elapse before admitting vehicular traffic.

B. Traffic Aisles:

1. Base Coat: Apply ELASTO-DECK™ 5001 at the rate of 45 sq. ft. per gallon to produce a 30 mil dry film thickness. Coating may be applied by squeegee and backroll or spray. Allow to cure 16 hours min. At temperatures less than 75°F. (24°C.) and/or humidity less than 50%, extend curing time.
2. Top Coat #1: Apply ELASTO-GLAZE™ 6001AL at the rate of 100 sq. ft. per gallon to produce a 10 mil dry film thickness. Coating may be applied by squeegee and backroll or spray. While coating is in a fluid condition broadcast approved aggregate at the rate of refusal (completely bury top coat in grit). Allow to cure overnight and remove excess grit.
3. Top Coat #2: Apply ELASTO-GLAZE™ 6001AL at the rate of 100 sq. ft. per gallon to produce a 10 mil dry film thickness. Coating may be applied by spray or roller. Thinning of the coating material is not permitted. Regardless of how applied, coating shall be back-rolled to provide an even and consistently thick finish coat. Allow to cure 16 hours min. At temperatures less than 75°F. (24°C.) and/or humidity less than 50% extend curing time before allowing any traffic. At least 72 hours total cure time should elapse before admitting vehicular traffic. In the turning radius, ramps, entrances and exits and other very high wear traffic areas, it is advised to apply the ELASTO-GLAZE™ 6001AL Top Coat #1 (Broadcast Coat) at a rate of 66 ft. 2/gallon for a 15 dry mil thickness.

3.5 APPLICATION - ELASTO-DECK™ 5000PDS

A. All Areas:

1. Base Coat # 1: Apply ELASTO-DECK™ 5001 at the rate of 60 sq. ft. per gallon to produce a 25 mil dry film thickness. Coating may be installed with squeegee and backroll or spray. Allow to cure 16 hours min. At temperatures less than 75°F. (24 deg.C.) and/or relative humidity less than 50%, extend curing time.
2. Base coat #2: Apply ELASTO-DECK™ 5001 at the rate of 60 sq. ft. per gallon to produce a 25 mil dry film thickness. Coating may be installed with squeegee and backroll or spray. Allow to cure 16 hours min. At temperatures less than 75°F. (24°C) and/or relative humidity less than 50%, extend curing time.
3. Top Coat #1: Apply ELASTO-GLAZE™ 6001AL at the rate of 100 sq. ft. per gallon to produce a 10 mil dry film thickness. Coating may be applied by squeegee and backroll or spray and backroll. Allow to cure 16 hours min. At temperatures less than 75°F. (24°C.) and/or humidity less than 50%, extend curing time before allowing any traffic.
4. Top Coat #2 (Spatter Coat): Apply ELASTO-GLAZE™ 6001 S at the rate of 100 sq. ft per gallon to produce a 10 mil average dry film thickness. While coating is in a fluid condition, broadcast 20-24 mesh carbide at the rate of 7 lbs./100 sq. ft. Allow to cure 16 hours min. At temperatures less than 75°F. (24°C.) and/or humidity less than 50%, extend curing time before allowing any traffic. At least 72 hours total cure time should elapse before admitting vehicular traffic.

3.5 APPLICATION - ELASTO-DECK™ 5000X2

1. Base Coat #1: Apply ELASTO-DECK™ 5001 at the rate of 60 sq. ft per gallon to produce a 25 mil dry film thickness. Coating may be installed with notched trowel or squeegee and backroll or spray. Allow to cure 16 hours min. At temperatures less than 75°F. (24°C.) and/or humidity less than 50%, extend curing time before allowing any traffic.
2. Base Coat #2: Apply ELASTO-DECK™ 5001 at the rate of 60 sq. ft. per gallon to produce a 25 mil dry film thickness. Coating may be installed with notched trowel or squeegee and backroll or spray. Allow to cure 16 hours min. At temperatures less than 75°F. (24°C) and/or humidity less than 50%, extend curing time before allowing any traffic.
3. Top Coat #1: Apply ELASTO-GLAZE™ 6001AL at the rate of 100 sq. ft. per gallon to produce a 10 mil dry film thickness. Coating may be installed with notched trowel or squeegee and backroll or spray. While coating is in a fluid condition, broadcast aggregate at the rate of refusal (completely bury the top coat in grit). Allow to cure overnight and remove excess grit by sweeping, air blast or vacuum.
4. Top Coat #2: Apply ELASTO-GLAZE™ 6001AL at the rate of 100 sq. ft. per gallon to produce a 10 mil dry film thickness. Allow to cure 16 hours min. At temperatures less than 75 deg./ F. (24°C.) and/or humidity less than 50%, extend curing time before allowing any traffic. At least 48 hours total cure time should elapse before admitting heavy foot traffic.

3.5 APPLICATION - ELASTO-DECK™ 5000WDA

1. Base coat: Apply ELASTO-DECK™ 5001 at the rate of 45 sq. ft per gallon to produce a 30 mil dry film thickness. Coating may be applied by notched trowel or squeegee and backroll or spray. Allow to cure 16 hours min. At temperatures less than 75°F. (24°C.) extend curing time.
2. Top Coat # 1: Apply ELASTO-GLAZE™ 6001AL at the rate of 100 sq. ft per gallon to produce a 10 mil dry film thickness. Coating may be installed with notched trowel or squeegee and backroll or spray. While coating is in a fluid condition, broadcast approved aggregate at the rate of refusal (completely bury the top coat in grit). Allow to cure overnight and remove excess grit by sweeping, air blast or vacuum.
3. Top Coat #2: Apply ELASTO-GLAZE™ 6001AL [pigmented] [clear] at the rate of 100 sq. ft per gallon to produce a 10 mil dry film thickness. Allow to cure 48 hours min. At temperatures less than 75°F. (24°C.) and/or humidity less than 50%, extend curing time before admitting any traffic.

3.5 APPLICATION - ELASTO-DECK™ 5000MR

1. Base Coat: Apply ELASTO-DECK™ 5001 at the rate of 60 sq. ft. per gallon to produce a 25 mil dry film thickness. Coating may be installed with notched trowel or squeegee and backroll or spray. Allow to cure 16 hours min. At temperatures less than 75°F. (24°C.) extend curing time. The use of non-skid aggregate in the System 5000 MR is optional. If the floor will generally be dry and the traffic very occasional, you may wish to eliminate the aggregate. Edit the following paragraph to meet job requirements.
2. Top Coat: Apply ELASTO-GLAZE™ 6001AR at the rate of 100 sq. ft per gallon to produce a 10 mil dry film thickness. While the coating is in a fluid condition, broadcast approved aggregate at the rate of 7 lbs. per 100 sq. ft. Backroll the coating immediately following the application of grit to ensure even dispersal and encapsulation of the grit. Allow to cure 24 hours min. before admitting any pedestrian traffic. At temperatures less than 75°F. (24°C.) and/or humidity less than 50%, extend curing time. Allow 4 days cure before placing mechanical room in service.

3.6 CLEANING

1. If an ELASTO-DECK™ system is damaged, it can be repaired by cleaning the surface with Acetone and recoating it with the same system. Use only cleaning solvents and detergents which are approved by coating Manufacturer and in compliance with regulations of local, state and federal agencies having jurisdiction.
2. Clean stains from adjacent surfaces with approved cleaning agent.
3. Remove all construction barricades, debris and other items of work, including empty containers, from the Project site.
4. Remove foreign matter from finished coating surfaces.

END OF SECTION 07572

NOTES TO ASSIST COORDINATION WITH WORK OF OTHER SECTIONS

GENERAL

- A. Employ caution and good engineering practice in design of substrates. Excessive movement of substrate can create shear failures in any coating/membrane system. Joints must be supported with dowels or other devices to eliminate differential deflection between panels.
- B. Finishing: In accordance with requirements established within Division 3, concrete surfaces to which coating is applied shall receive a finish equivalent to a trowel finish complying with ACI 301-72, para. 11.7.3, except that hand troweling is not required, and followed by a fine hair broom to very lightly score the surface. Concrete Sections shall require removal of fins, ridges and other protrusions and patching of voids.
- C. Curing Time: All concrete to receive deck coatings must be in place for 28 days (min.). If a deck must be coated prior to full 28 day cure, consult with Licensed Applicator or Manufacturer regarding the use of Elasto-Poxy Primer. There will be a slight premium charge for the use of this procedure. Note that Elasto-Poxy Primer must also be used on decks cast in permanent metal pans or on split slabs with sheet or fluid applied membranes.
- D. Curing Methods: To assure adequate bonding of coating material, water curing is recommended. Sodium silicate based curing compounds are generally acceptable in lieu of water cure. Oil, wax or silicone based compounds are not acceptable. Specifier should verify the specific requirements of each approved Coating Manufacturer and assure that curing requirements specified are acceptable to all.
- E. Precast Concrete: Tooled joints shall be provided in leveling slab directly over joints between precast members (including ends), to act as crack control joints. Sawcutting of 'green' concrete may be substituted for tooling of joints. Such sawcuts must be 1" minimum in depth.

4. CONSTRUCTION OF PLYWOOD DECKS

- A. All plywood shall be identified as conforming to U.S. Product Standard PS 1-74 by the grade trademarks of the American Plywood Association. All plywood to receive deck coatings shall meet or exceed requirements for A-C plugged, Exterior Grade insofar as such grades govern face veneer inner ply adjacent to face veneer and sanding.
- B. Installation: Unless more stringent requirements are indicated on the Drawings or required by governing building code, installation of plywood shall be in accordance with recommendations of the American Plywood Association. Panel edges shall be tongue and groove or supported on solid lumber framing or blocking to prevent differential deflection. Space panels 1/16" at both ends and edges. Where wet or humid conditions are expected, these spacings may be increased (as much as doubled). Where adhesive is used to bond panel edges and ends, 'squeeze-out' shall

be struck smooth and slightly concave at all of the joints. It is suggested that a polyurethane adhesive/sealant be specified for such bonding purposes.

- C. Nailing: Use annular ring or spiral shank common nails, 6d for 5/8" and 3/4" plywood and 8d for 7/8", 1", 1-1/8" and 1-1/4" plywood. Space nails 6" on center along panel edges and 10" on center along intermediate supports.
- D. Protection: Protection of the deck during construction and preparation of joints between panels shall be in accordance with the recommendations of the coating system manufacturer.

This Master Specification is prepared by Pacific Polymers in order to assist you in the preparation of your Project Specification. Pacific Polymers does not attest to the completeness or accuracy of this document as an architectural or engineering specification and advises you to be very careful in editing this document to assure that no errors or omissions are committed. The performance and procedural information regarding ELASTO-DECK™ Products is accurate at the time of printing the document and we will use our best efforts to keep it up to date. If you have questions, please call us at (714) 898-0025 for clarifications.

EQUIPMENT AND SUPPLIES:

The following equipment is only a general list. Additional equipment may be required, depending upon the project requirements and local conditions.

PROTECTIVE GEAR:

- Safety Shoes and Overalls
- Suitable Hand, Eye, and Ear Protection
- Appropriate Face Masks
- Hardhats and Harnesses

SURFACE PREPARATION:

- Beadblasting, Shotblasting, or Sandblasting Equipment
- Alkaline Cleaner to Remove Oils and Greases
- 10-15% Solution of Muriatic Acid for Acid Etching
- Vacuums, Blowers, and Brooms

APPLICATION:

- Dropcloths and Masking Materials
- Brushes, Rollers, Trowels, and Squeegees
- Spray Equipment

CLEAN-UP:

- See each product's documentation for correct materials

LIMITATIONS:

Containers that have been opened must be used up within one or two days since ELASTO-DECK™ is a moisture-reactive material. It sets up when exposed to air.

DECORATIVE FINISHES AND COLORS:

All 42 colors are available for deck coatings that employ ELASTO-GLAZE™ 6001AL as a top coat (see website).

TECHNICAL SERVICES:

All of the latest updates to product data and specifications are available at the company website. Since product data and specifications change, it is the users responsibility to make certain the most current versions of product data and specifications are being used.

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. Please refer to the Maintenance Manual for proper maintenance procedures. The manufacturer is not liable for staining caused by hard water deposits, nitrates, fertilizers and other foreign matter.

WARNINGS AND HAZARDS:

Before using the products, always refer to MSDS 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™ systems are supplied through building material dealers. Prices vary with quantity and packaging. Quotations are made on request. 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.

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 users 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 damage in excess of the purchase price of these products.

ELASTO-DECK™ SECTION 07570



PROPERTY	PROCEDURES	BASE COAT	TOP COAT
Tensile Strength See Note 1	A.S.T.M. D-412	975 psi	2,600 psi ± 10%
Elongation See Note 1	A.S.T.M. D-412	825%	200% ± 10%
Adhesion (peel strength on primed concrete)	A.S.T.M. D-903	90 pli	210 pli
Moisture Vapor Transmission	A.S.T.M. E96-66		
Procedure (a) 15 mil (0.015")(.38mm) dry film		3.7 perms ± 0.6	0.8 perms ± 0.13
Procedure (b) 30 mil (0.30")(.76mm) dry film		2.4 perms ± 0.4	N/A
Cured 7 days at 77° F (25°C) and 50% RH			
Abrasion	ASTM C 501	No change of weight	No change of weight
30 mil dry film on 4" x 4" (10cm x 10cm) metal, CS-17 wheel, 1000 rev. with 1000 grams weight			
Fire resistance	ASTM E 108 (U.L. 790)	System is rated Class "A" on non-combustible substrate	
Shelf Life		6 months	6 months
(when stored indoors in cool and dry location at 77°F (25°C) in unopened containers)			

Note 1: Die "C" Pulled at 20 ipm. Base coat tests conducted on deaerated 40 mil (1mm) dry film, top coat tests conducted on deaerated 10 mil (0.25 mm) dry film, cured for 7 days at 77°F. (25°C.) at 50% relative humidity.

DRY FILM THICKNESS IN MILS	BASE #1	BASE #2	TOP #1	TOP #2
TC System				
Parking / Pedestrian	25	NA	15	NA
Aisles	30	NA	10	10
PDS System	25	25	10	10 avg.
X2 System	25	25	10	10
WDA System	30	NA	10	10
MR System	30	NA	10	NA

AGGREGATES:

- 20 Mesh Monterey Sand
- 20-24 Mesh Aluminum Oxide or Silicone Carbide Grit
- PACPOLY FLEX™ Rubber Granules