

Product BULLETIN



COATINGS • SEALANTS • MEMBRANES • POLYUREAS

ELASTO-DECK 6500^{PT}

Polyurea Pedestrian Deck Coating

ADVANTAGES

- 100% Solids
- Low Odor/Zero VOC
- Waterproof
- Elastomeric
- Fast Setting

APPLICATIONS

- Pedestrian Decks
- Stadiums
- Balconies
- Plazas
- Roof Decks

Elasto-Deck 6500 PT is a two component, liquid applied, flexible, virtually no odor, aliphatic, 100% solids, Zero VOC, elastomeric polyurea, traffic coating system for walking deck surfaces. It is suitable for concrete, polyurethane foam, metal, and plywood substrates. **Elasto-Deck 6500 PT** is designed for pedestrian traffic areas. It may be used to waterproof walking decks, balconies, plazas, parking decks, stadiums, mechanical room floors, etc.

Colors:

Concrete Grey and Tan. Special colors are available upon request.

Sizes:

Available in 1 gallon and 4.5 gallon kits.

Skid-resistant, low odor polyurea for high traffic pedestrian areas



New York City's Pier 11 Re-surfacing after the 9/11 tragedy. Every day, 50,000 passengers use this 30,000 square feet, five-slip concrete pier. It is the primary commuter ferry destination for the Wall Street business district community.



Contech Heritage Aquatic Park's stadium.

Pacific Polymers International, Inc. • 12271 Monarch St., Garden Grove, CA 92841 USA
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INSTALLATION

Surface Preparation:

All surfaces which are to receive **ELASTO-DECK 6500 PT** shall be free of contamination such as water, curing compounds, hardeners, bond breakers, paint, etc. A light broom finish is recommended for concrete surfaces. It is desirable to watercure concrete in lieu of curing compounds. Contaminants should be removed by sandblasting or beadblasting. Except for non-moving shrinkage cracks, all other cracks must be sealed with **ELASTO-DECK 6500 PT** and taped with 4" Tietex. All surfaces, where necessary, must be primed with **ELASTO-POXY PRIMER** (Zero VOC) prior to application of the coating system at a rate of 200-250 square feet per gallon.

APPLICATION

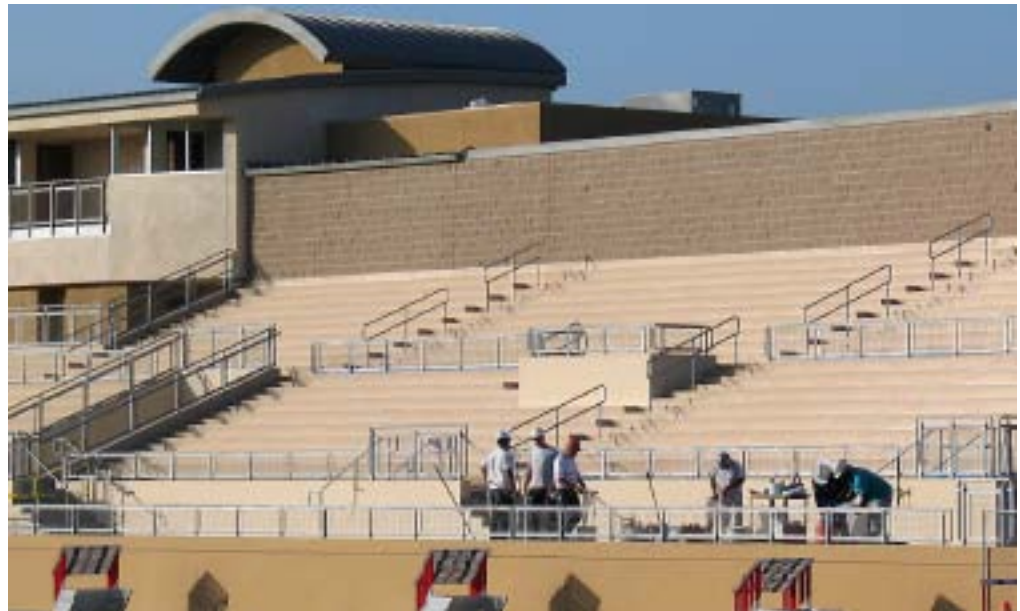
Lightly stir the A-Component (pigmented side) for 2-3 minutes using a jiffy mixing blade to evenly distribute the pigments that may have settled to the bottom of the container. Then pour "B" Component (clear side) into the "A" Component. Scrape the container to drain all the "B" Component into the "A" Component. Mix thoroughly using a jiffy mixing blade attached to a low speed drill to a uniform color without any streaks. Mix for 2-3 minutes. Once mixed, immediately pour **ELASTO-DECK 6500 PT** onto the surface of the substrate. Use squeegee to evenly apply the material, then backroll using a roller to break air bubbles. Note: Higher temperatures will reduce the work life. **ELASTO-DECK 6500 PT** shall be applied to the primed concrete at a rate of 80 square feet per gallon. Following a 24 hour cure time of the **ELASTO-DECK 6500 PT**, apply at the rate of 80 square feet per gallon and while coating is in a fluid condition, broadcast desired aggregate at the rate of 10-15 pounds per 100 square feet and backroll to ensure even distribution of the grit. Allow a minimum of 72 hours curetime before allowing any heavy traffic on the finished system.

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. If **ELASTO-DECK 6500 PT** is damaged, it can be repaired by cleaning the surface with Acetone and recoating it with the **ELASTO-DECK 6500 PT** system.

AVAILABILITY AND COST

ELASTO-DECK 6500 PT is supplied through building material dealers. Prices vary with quantity and packaging. Quotations are made upon 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 WARRANTIES

All products proven to be defective in manufacture will be replaced at no charge. Since the use of these prod-

ucts is beyond our control we cannot accept damage in excess of the purchase price of these products.

TECHNICAL SERVICES

Technical assistance can be obtained by contacting:
PACIFIC POLYMERS INTERNATIONAL, INC.
12271 Monarch Street
Garden Grove, CA 92841
(714) 898-0025
FAX (714) 898-5687

TECHNICAL DATA

| PROPERTY | TEST METHOD | RESULTS |
|---|-------------------------|--------------------------|
| Pot Life / Cure Time (at 77°F, 25°C) | | 20 min. / 48 hours min. |
| Viscosity (at 77°F, 25°C) | Brookfield Viscometer | 35 ± 5 poise |
| Weight per gallon, A / B component | | 10.50 / 8.60 pounds |
| Percent Solids Weight / Volume | ASTM D-2369 | 100 % / 100% |
| Hardness (Shore A) | ASTM D-2240 | 80A |
| Tensile Strength | ASTM D-412 | 3000 psi ± 10% |
| Percent Elongation | ASTM D-412 | 300% ± 10% |
| Adhesive Peel Strength on Primed Concrete | ASTM D-903 | 35 pli cohesive failure |
| Water Absorption | ASTM D-471 | 1.2% by weight |
| Moisture Vapor Transmission | ASTM E-96 | 3.9 perms |
| Abrasion Resistance | ASTM D-4060 | 2 mg. wt. loss |
| Tear Resistance | ASTM D-638 | 280 pli ± 10% |
| U.V. Stability (No discoloration / No damages) | Q Panel Weather-O-Meter | 2000 hrs. |
| Tack Free Time | | 2-3 hrs. @ 75°F, 50 R.H. |
| Shelf Life (when stored indoors in cool and dry location at 77°F (25°C) in unopened containers) | | 6 months |

Technical DATA SHEET

COATINGS • SEALANTS • MEMBRANES • POLYUREAS • EPOXIES • PRIMERS



ELASTO-DECK™ 6500

Low Odor Polyurea Coating System

PRODUCT DESCRIPTION:

ELASTO-DECK™ 6500 is a two component, liquid applied, flexible, low odor, aliphatic, 100% solids, elastomeric polyurea traffic coating system for walking or parking decks, and concrete pipes.

BASIC USES:

For waterproofing walking decks, balconies, plazas, parking decks, mechanical room floors, etc. Designed for pedestrian and vehicular traffic.

LIMITATIONS:

All surfaces must be completely free of foreign matter and primed with ELASTO-POXY™ PRIMER WATERBASED, where necessary. ELASTO-DECK™ 6500 has a very short work life, so once it is mixed, the coating must be poured onto surface and applied immediately.

COLORS:

Concrete Grey and Tan. Custom matched colors are available with minimum required quantities.



SIZES:

Available in 1.5 gallon kits, 4.5 gallon kits.

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.

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.

INSTALLATION:

SURFACE PREPARATION: All surfaces which are to receive ELASTO-DECK™ 6500 shall be free of contamination such as water, curing compounds, hardeners, bond breakers, paint, etc. A light broom finish is recommended for concrete surfaces. It is desirable to watercure concrete in lieu of curing compounds. Contaminants should be removed by sandblasting or acid-etching. If etching is used, allow adequate time for surface to dry. Except for non-moving shrinkage cracks, all other cracks must be sealed with ELASTO-THANE™ 230, a single-component, moisture-cured, polyurethane sealant manufactured by PACIFIC POLYMERS INTERNATIONAL, INC. All surfaces, where necessary, must be primed with ELASTO-POXY™ WATERBASED PRIMER prior to application of the coating system at a rate of 300-350 square feet per gallon (7.4 – 8.6 m²/liter).

APPLICATION:

Lightly stir the A-Component (pigmented side) for 2-3 minutes using a jiffy mixing blade to evenly distribute the pigments that may have settled to the bottom of the container. Then pour "B" Component (clear side) into the "A" Component. Scrape the container to drain all the "B" Component into the "A" Component. Mix thoroughly using a jiffy mixing blade attached to a low speed drill to a uniform color without any streaks. Mix for 2-3 minutes. Once mixed, immediately pour ELASTO-DECK™ 6500 onto the surface of the substrate. Use squeegee to evenly apply the material, then backroll using a roller to break air bubbles. Note: Higher temperatures will reduce the work life. ELASTO-DECK™ 6500 shall be applied to the primed concrete at a rate of 80 square feet per gallon. Following a 24 hour cure time of the ELASTO-DECK™ 6500, apply the ELASTO-DECK™ 6500 at the rate of 80 square feet per gallon and while coating is in a fluid condition, broadcast desired aggregate at the rate of 10-15 pounds per 100 square feet and backroll to ensure even distribution of the grit. Allow a minimum of 72 hours cure time before allowing any heavy traffic on the finished system.

Pacific Polymers International, Inc.

an **ITW** company

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AVAILABILITY AND COST:

ELASTO-DECK™ 6500 is supplied through building material dealers. Prices vary with quantity and packaging. Quotations are made on request. All materials shall be delivered to the job-site in unopened containers clearly marked and labeled. A minimum order shall be required for delivery on jobsite. 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.

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. If ELASTO-DECK™ 6500 is damaged, it can be repaired by cleaning the surface with Acetone and recoating it with the ELASTO-DECK™ 6500 system.

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.

| PROPERTY | TEST METHOD | RESULTS |
|---|-----------------------|--|
| Pot Life (@ 75°F) | | 20 minutes |
| Cure Time (@ 75°F) | | 72 hours minimum |
| Viscosity at 77°F (25°C) | Brookfield Viscometer | 35 ± 5 poise |
| Weight per gallon | | |
| A-Component | | 10.50 pounds |
| B-Component | | 8.60 pounds |
| Percent Solids Content | ASTM D-2369 | 100 % (by weight) 100 % (by volume) |
| Hardness (Shore A) | ASTM D-2240 | 80A |
| Tensile Strength | ASTM D-412 | 3000 psi ± 10% |
| Percent Elongation | ASTM D-412 | 300% ± 10% |
| Adhesive Peel Strength on Primed Concrete | ASTM D-903 | 35 pli cohesive failure |
| Water Absorption | ASTM D-471 | 1.2% by weight |
| Moisture Vapor Transmission | ASTM E-96 | 3.9 perms |
| Abrasion Resistance | ASTM D-4060 | 2 mg. wt. loss |
| 30 dry mil film on 4"x4" metal, C-17 wheel, 1000 rev., 1000 gr. weight | | |
| Tear Resistance | ASTM D-624 | 280 pli ± 10% |
| V.O.C. Content | | 0 grams/litre |
| U.V. Stability | Q Panel | 2000 hrs. No discoloration |
| | Weather-O-Meter | No physical damages |
| Shelf Life (when stored indoors in cool and dry location at 77°F (25°C) in unopened containers) | | 6 months |