

1. PRODUCT DESCRIPTION

A. COMPOSITION

Elastatex 500 is an elastomeric moisture curing polyurethane designed primarily for use as a waterproof exterior deck covering that is ideal for waterproofing balconies, walking decks and semi-level roof decks aboard ships.

Elastatex 500 system consists of a specially formulated moisture-cure aromatic urethane, broadcast rubber granules and a durable aliphatic urethane polyurea blended elastomeric topcoat.

The topcoat is a tough, ultraviolet light resistant aliphatic urethane polyurea blend and it is available in standard colors.

It is turned up against building, walls, parapets, etc. to form an integral waterproof membrane.

Designed primarily as a waterproof system for surfaces, such as promenade decks, balconies, sun decks and play roofs, etc. Elastatex 500 is also used as a protective covering for renovating elevated concrete, including: cracked concrete, promenade decks, pool decks, etc. Surfaces over which Elastatex 500 may be installed include: new and existing concrete, metal and plywood. Consult Crossfield regarding other surfaces.

B. TYPICAL USES

It has excellent crack-bridging and low temperature flexibility characteristics. It is designed to protect concrete surfaces from spalling and scaling associated with freeze/thaw induced damage, including waterproofing promenade decks, sun decks, patios, roofs, rooftop tennis courts, balconies, and pedestrian traffic surfacing.

C. ADVANTAGES AND LIMITATIONS

ADVANTAGES:

1. Monolithic, including integral flashing.
2. Resilient and comfortable underfoot.
3. Reduces sound transmission to adjacent areas.
4. Non-flammable during installation.
5. Environmentally safe.
6. Zero VOC, exceeds all federal, state and agency VOC (volatile organic compound) requirements.
7. Installed only by Professional Factory Trained Dex-O-Tex Contractors.

LIMITATIONS:

1. Substrates must be dry when material is applied.
2. Not designed for interior use.
3. Residual moisture content of plywood substrates must be less than 15% when measured with an electric resistance type moisture meter (Delmhorst BD-10 or functional equivalent).
4. Concrete substrates shall be fully cured and dried. Concrete that exhibits indications of high levels of residual moisture shall be tested in accordance with ASTM D4264 and an electric resistance type moisture meter. In general, minor evidence of moisture (light misting or fogging under the plastic sheet) and electric relative meter reading under 60% are acceptable. If higher levels of moisture are detected a

vapor control primer shall be applied before proceeding with the application of the Elastatex 500 system.

6. Vapor control primers, sloping, smoothing or leveling compounds, crack repair or isolation, or other supplementary items may be required for proper installation at an additional cost. Consult with Crossfield Products Corp. or a factory trained applicator for specific recommendations.

2. TYPICAL PHYSICAL PROPERTIES at 75°F (24°C)

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| A. Weight | 0.46 lbs. per sq. ft. |
| B. Thickness (typical) | 1/16" (1.58 mm) |
| C. Adhesion ASTM D4541 | > 400 psi
(100% failure in concrete) (28.1 kg/cm) |
| D. Tensile Elongation ASTM D412 | 500% |
| E. Tensile Strength ASTM D412 | 1,050 psi |
| F. Waterproofness (sample exposed to 50 psi water pressure. for one hour): | No Water Transmission |
| G. Water Resistance MIL-PRF-1044 | 16 mg |
| H. Hardness ASTM D2240, Shore A | 60-70 |
| I. Crack Bridging and Low Temperature Flexibility ASTM C836 | Complies |
| J. Microbial Resistance ASTM G21 | Passes Rating 1 |

3. OVERVIEW OF INSTALLATION STEPS

- A. Prepare surface by careful and thorough removal of laitance, grease, concrete curing agents and foreign matter. Consult Crossfield for instructions on acid etching or shot blasting requirements.
- B. Apply VL epoxy primer by roller; mix (1A:3B).
- C. Apply 1st coat of Elastatex 500 basecoat by roller or airless spray (Elastatex 500 Resin Binder - 5 gallons; Elastatex 500 Accelerator - 1 ounce; clean water - 5 quart).
- D. Apply a finish coat of Elastatex 500 by trowel/roller/spray and broadcast rubber granules into cured basecoat. Elastatex 500 Resin Binder - 5 gallons; Elastatex 500 Accelerator - 1 ounce; clean water - 5 quart. Broadcast the rubber granules onto the wet resin binder. Broadcast rubber granules to rejection (no wet spots)
- E. Apply two finish coats of Quik-Glaze Sealer (2A:1B)

4. PRODUCT AVAILABILITY

Crossfield Products Corp. maintains offices and/or factories at all addresses listed below. Factory Trained Contractors are established in all major trading areas in the United States, Canada and various European, Latin American and Far East nations.

5. SKID RESISTANCE and CLEANABILITY

In general the more aggressive the finished surface the greater the coefficient of friction and corresponding skid resistance, the more difficult to clean. The smoother the finished texture the easier the surface is to clean, but there is a loss of skid resistant properties.

System Description Sheet

Urethane Decking Promenade and Roof Deck Waterproofing and Surfacing System

6. CLEANING

Cleaning and disinfecting compounds and cleaning techniques can affect the color, gloss, texture and performance of the system. As a precautionary step, Crossfield recommends that the end-user test their cleaning and disinfecting compounds on a sample or on a small, out of the way finished area, utilizing the intended cleaning technique prior to cleaning the entire surface area. If no deleterious effects are observed, the procedure can be continued. If the cleaning and disinfecting compounds or cleaning techniques damage the system, modification of the cleaning material or techniques will be required. Contact your Representative for additional information.

7. SPECIFICATION ASSISTANCE

Consult Crossfield Products Corp. for specification assistance, detailing, etc. This consultation is highly recommended prior to specification.

8. CHEMICAL RESISTANCE

See Crossfield Products Corp's., Chemical Resistance Guidelines for chemical resistance of a product or system, as well as the types of test performed:

- ASTM C868 Standard Test Method for Chemical Resistance of Protective Lining.
- ASTM C267 Standard Test Method for Chemical Resistance of Mortars, Grouts, and Monolithic Surfacing and Polymer Concretes.
- ASTM D1308 Standard Test Method for Effect of Household Chemicals on Clear and Pigmented Organic Finishes
- Crossfield Products Corp. Proprietary Testing

Note: Chemical resistance is a functional test, usually limited to changes in weight or thickness measured in loss or gain and does not evaluate subject aesthetic issues. To determine aesthetic issues, Crossfield recommends testing the products or system in accordance with intended end use.

9. TESTING

The technical data contained herein is the result of tests made in Crossfield's laboratories or in independent laboratories using small scale equipment, following generally accepted trade practices. Although this information is believed to be true and accurate, the use of different equipment for testing under dissimilar conditions or the testing of samples produced under dissimilar conditions may develop substantially different results.

LIMITED WARRANTY

NO WARRANTY SHALL BE EFFECTIVE UNTIL THE TERMS AND CONDITIONS OF SALE SET FORTH IN CROSSFIELD PRODUCTS CORP. INVOICE ARE MET.

Crossfield Products Corp. warrants to the purchaser of its products that such products are free from manufacturing defect. Crossfield does not warrant or guarantee the workmanship performed by any person or firm installing its products. Crossfield's obligation under this warranty is limited solely to the original purchaser and solely to the remedy of replacement in kind of any product which Crossfield sold which may prove defective in manufacture within one year from date of installation, provided said product was stored correctly and installed within the product's shelf life, by the original purchaser and which Crossfield examination shall disclose to Crossfield's satisfaction to be thus defective.

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CAUTION: ALWAYS KEEP OUT OF THE REACH OF CHILDREN.



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