## Elastatex 500

### Urethane Decking

Promenade and Roof Deck Watertight System

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### 1. PRODUCT DESCRIPTION

**A. COMPOSITION**

Elastatex 500 is an elastomeric moisture curing polyurethane designed primarily for use as a water proof 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 exiting 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.
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. Moisture vapor transmission (MVT) in excess of 3.0 lbs/1000 sq/ft per 24hr period per ASTM F1869, may result in delamination, discoloration or improper curing. Use Dex-O-Tex VaporControl Primer 200 vapor control membrane over substrates, which have MVT emissions that exceed these limits. Consult with Crossfield prior to using VaporControl Primer 100 if moisture vapor transmission exceeds 15 lbs/1000 sq/ft per 24hr period per ASTM F1869.

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Weight</td>
<td>0.46 lbs. per sq. ft.</td>
</tr>
<tr>
<td>B. Thickness (typical)</td>
<td>1/16&quot; (1.58 mm)</td>
</tr>
<tr>
<td>C. Adhesion ASTM D4541</td>
<td>&gt; 400 psi (100% failure in concrete)</td>
</tr>
<tr>
<td>D. Tensile Elongation ASTM D412</td>
<td>500%</td>
</tr>
<tr>
<td>E. Tensile Strength ASTM D412</td>
<td>1,050 psi</td>
</tr>
<tr>
<td>F. Waterproofness (sample exposed to 50 psi water pressure for one hour)</td>
<td>No Water Transmission</td>
</tr>
<tr>
<td>G. Water Resistance MIL-PRF-1044</td>
<td>16 mg</td>
</tr>
<tr>
<td>H. Hardness ASTM 2240, Shore A</td>
<td>60-70</td>
</tr>
<tr>
<td>I. Crack Bridging and Low Temperature Flexibility ASTM C838</td>
<td>Complies</td>
</tr>
<tr>
<td>J. Microbial Resistance ASTM G21</td>
<td>Passes Rating 1</td>
</tr>
</tbody>
</table>

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### 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).

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### 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.

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### 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.

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### 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:
- 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.

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CAUTION: ALWAYS KEEP OUT OF THE REACH OF CHILDREN.

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