ELASTO-SHIELD®
SERIES 264

PRODUCT PROFILE

GENERAL DESCRIPTION
Modified Polyurethane

COMMON USAGE
Flexible liner providing a seamless monolithic membrane for use in potable water basins, steel tank floors and reservoirs. Also for areas requiring impermeability such as decorative ponds and secondary chemical containment.

COLORS
Black

FINISH
Gloss. Note: Prolonged exterior exposure will cause flattening of the finish.

SPECIAL QUALIFICATIONS
Underwriters Laboratories Inc.® classified to ANSI/NSF Standard 61 for use in potable water storage. Maximum contact area is 20 cm² per litre of water, with minimum allowable size of tanks 5,000 gallons, cold water applications.

PERFORMANCE CRITERIA
Extensive test data available. Contact your Tnemec representative for specific test results.

SPECIAL QUALIFICATIONS
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SURFACE PREPARATION

STEEL
Immersion Service: SSPC-SP10 Near-White Blast Cleaning
Non-Immersion Service: SSPC-SP6 Commercial Blast Cleaning

GALVANIZED STEEL
Surface preparation recommendations will vary depending on substrate and exposure conditions. Contact your Tnemec representative or Tnemec Technical Services.

CONCRETE
Allow new cast-in-place concrete to cure a minimum of 28 days at 75°F (24°C). Verify concrete dryness in accordance with ASTM F 1869 "Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride" (moisture vapor transmission should not exceed three pounds per 1,000 square feet in a 24 hour period), F 2170 "Standard Test Method for Determining Relative Humidity in Concrete using in situ Probes" (relative humidity should not exceed 80%), or D 4263 "Standard Test Method for Indicating Moisture in Concrete by the Plastic Sheet Method" (no moisture present). Note: The testing listed above cannot guarantee avoidance of future moisture related problems particularly with existing concrete slabs. This is especially true if the use of an under slab moisture vapor barrier cannot be confirmed or concrete contamination from oils, chemical spills, unreacted silicates, chlorides or Alkali Silica Reaction (ASR) is suspected.

Prepare concrete surfaces in accordance with NACE No. 6/SSPC-SP13 Joint Surface Preparation Standards and ICRI Technical Guidelines. Abrasive blast, shot-blast, water jet or mechanically abrade concrete surfaces to remove laitance, curing compounds, hardeners, sealers and other contaminants and to provide a minimum ICRI-CSP 3 or greater surface profile. Large cracks, voids and other surface imperfections should be filled with a recommended filler or surfacer. Note: For horizontal applications, if moisture content exceeds 3 lbs per 1,000 sq ft or relative humidity is in excess of 80%, Series 208 or 241 may be substituted for the primer. Refer to the Series 208 or 241 product data sheet for more information.

ALL SURFACES
Must be clean, dry and free of oil, grease, form release agents, curing compounds, membranes, sealers, hardeners and other contaminants.

TECHNICAL DATA

VOLUME SOLIDS
88.0 ± 2.0% (mixed)

RECOMMENDED DFT
50 to 80 dry mils (1270 to 2032 microns). Note: Multiple passes at timed intervals are required to achieve recommended dry film thickness. Timing is dependent upon material and substrate temperatures. See the Elasto-Shield Application Guide for additional instructions.

CURING TIME

<table>
<thead>
<tr>
<th>Temperature</th>
<th>Recoat Window ††</th>
<th>Full Cure</th>
<th>Immersion</th>
</tr>
</thead>
<tbody>
<tr>
<td>75°F (24°C)</td>
<td>3 hours at 50 mils DFT</td>
<td>24 hours</td>
<td>Potable: 14 days † Non-Potable: 48 hours</td>
</tr>
</tbody>
</table>

† Film thicknesses greater than 50 mils DFT will require additional time for solvent release. Curing time varies with air & substrate temperatures, air movement, humidity and film thickness. †† Note: Scarify the surface and apply a coat of Series V260 Tnemec-Bond before recoating if the maximum recoat time has been exceeded.

0.75 lbs/gallon (90 grams/litre).

VOLATILE ORGANIC COMPOUNDS
1,396 ml sq ft/gal (34.2 m²/L at 25 microns).

THEORETICAL COVERAGE
Two—Liquids: Part A (resin)) and Part B (iso)

KIT CONSISTS OF:

<table>
<thead>
<tr>
<th>PART A (Partially filled)</th>
<th>PART B (Partially filled)</th>
<th>When Mixed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Large Kit</td>
<td>5.5 gallon pail</td>
<td>1/2 gallon plastic jug</td>
</tr>
</tbody>
</table>

Note:
- Part A: Minimum 20°F (-7°C) Maximum 110°F (43°C)
- Part B: Minimum 70°F (21°C) Maximum 95°F (35°C)
- For horizontal applications, if moisture content exceeds 3 lbs per 1,000 sq ft or relative humidity is in excess of 80%, Series 208 or 241 may be substituted for the primer. Refer to the Series 208 or 241 product data sheet for more information.
- Extensive test data available. Contact your Tnemec representative for specific test results.

Published technical data and instructions are subject to change without notice. The online catalog at www.tnemec.com should be referenced for the most current technical data and instructions or you may contact your Tnemec representative for current technical data and instructions.
APPLICATION

APPLICATION EQUIPMENT

Air Spray

<table>
<thead>
<tr>
<th>Gun</th>
<th>Fluid Tip</th>
<th>Air Cap</th>
<th>Air Hose ID</th>
<th>Atomizing Pressure</th>
<th>↑ Pump Pressure</th>
<th>↑ Fluid Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graco 204-00</td>
<td>167-531</td>
<td>160-660</td>
<td>3/8&quot; min. (9.5 mm)</td>
<td>3/4&quot; min. (19.0 mm)</td>
<td>40-100 psi (2.8-6.9 bar)</td>
<td>954-088 (10:1) President Pump</td>
</tr>
<tr>
<td>Binks 7E2 or #125 Pole</td>
<td>47</td>
<td>3/8&quot;</td>
<td>3/8&quot; min. (9.5 mm)</td>
<td>3/4&quot; min. (19.0 mm)</td>
<td>40-100 psi (2.8-6.9 bar)</td>
<td>41-6670 (8:1) Comet Pump</td>
</tr>
<tr>
<td>WIWA 410 or 600</td>
<td>1/4&quot;</td>
<td>N/A</td>
<td>3/8&quot; min. (9.5 mm)</td>
<td>3/4&quot; min. (19.0 mm)</td>
<td>N/A</td>
<td>410 (9:1 Ratio) 600 (12.1 Ratio)</td>
</tr>
</tbody>
</table>

↑ Pump must have a minimum of 2 gpm delivery.
↑† Fluid Pressure
↑ Fluid Pressure

SURFACE TEMPERATURE

Minimum 50°F (10°C) Maximum 120°F (49°C)
The surface should be dry and at least 5°F (5°C) above the dew point. To avoid outgassing, concrete temperature should be stabilized or in a descending temperature mode. Material should not be applied in direct sunlight.

CLEANUP

Flush and clean all equipment immediately after use with MEK.

CAUTION

All material, equipment, air supply and surfaces to be coated must be kept dry. Do not apply when wet weather or wet conditions may occur within 4 hours of application. Refer to the Elasto-Shield Application Guide for further instructions.

This product contains chemical ingredients which are considered hazardous. Read container label warning and Material Safety Data Sheet for important health and safety information prior to the use of this product.

Keep out of the reach of children.

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