Description

ArmorThane HighLine 610 is a 1:1, fast setting, spray applied two component polyurea coating. It is 100% solids and contains zero VOC’s. HighLine 610 is specifically designed for application to geotextile fabric to form a durable, flexible, seamless liner for use in secondary containment applications. It is ideal for preventing leaks and containing spills of wastewater, fuels, and many other chemicals. HighLine 610 has exceptional resistance to impact and chemical attack.

Typical Physical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardness, ASTM D-2240</td>
<td>40 ± 5 Shore D</td>
</tr>
<tr>
<td>Tear Strength, ASTM D-624</td>
<td>310 ± 50 pli</td>
</tr>
<tr>
<td>Permeability, ASTM E-96</td>
<td>0.05 perms</td>
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<tr>
<td>Tack Free Time</td>
<td>60 seconds</td>
</tr>
<tr>
<td>Application Temperature</td>
<td>Substrate: 0-110°F (-18-43°C)</td>
</tr>
<tr>
<td></td>
<td>Ambient: 0-110°F (-18-43°C)</td>
</tr>
</tbody>
</table>

*Tensile Strength, ASTM D-412: 2200 ± 200 psi
Elongation, ASTM D-412: 380%
Gel Time: 10 seconds
Recoat Time: 24 minutes

Application Process

ArmorThane HighLine 610 may not be diluted under any circumstances.

Pigmentation: HighLine 610 Side B (Polyol resin) requires that 100 grams of ArmorThane pigment be added to every one US gallon.

Surface Preparation: In general, coating performance and adhesion are directly proportional to surface preparation. Most failures in the performance of surface coatings can be attributed to poor surface preparation. Polyurea coatings rely on the structural strength of the substrate to which they are applied. All surfaces must be free of dust, dirt, oil, grease, rust, corrosion, and other contaminants. When coating substrates previously used, it is important to consider the possibility of substrate absorption, which may affect the adhesion of the coating system, regardless of the surface preparation. ArmorThane recognizes the potential for unique substrates from one project to another. Refer to the technical bulletins in the ArmorThane Operations Manual concerning the preparation method for the substrate. For project-specific questions, please contact the ArmorThane Technical Department.

Application: HighLine 610 is spray applied, using the ArmorThane HighLine plural component spray system. Material and hose heaters should be between 150-170°F (65-76°C). Pressure should be a minimum of 2800 psi. If Side A and Side B pressures are not equal, stop spraying and examine equipment.

Packaging

HighLine 610 comes in 100-gallon kits: 50 gallons of Side A and 50 gallons of Side B.
Safety and Handling

Do not handle until the Safety Data Sheets (SDS) for each component have been read and understood. Regulations require that all employees be trained on Safety Data Sheets for all chemicals with which they come into contact.

THIS PRODUCT CONTAINS ISOCYANATE AND CURATIVE MATERIAL.

Avoid contact with eyes and skin. Do not inhale or ingest. When spraying, wear a respirator or a fresh air hood. Spraying indoors requires forced ventilation.

ArmorThane HighLine 610 has a shelf life of one year from date of manufacture, in factory-sealed containers.

Avoid exposure to freezing temperatures for an extended period of time. Store drums on wooden pallets to avoid direct contact with the ground. Both HighLine 610 Side A and Side B are recommended to be stored above 60°F (16°C).

If stored for a long period of time, rotate drums (both Side A and Side B) regularly. Do not open drums until ready to use.

Typical Uses

- Wastewater Containment
- Fuel Loading and Unloading Stations
- Vapor Varriers
- Chemical Containment and Spill Control
- Water Ponds
- Landfills

Features

- ✓ Chemical Resistant
- ✓ Fast Set
- ✓ Zero VOC’s
- ✓ Good Flexibility & Elongation
- ✓ Wetting
THIS PRODUCT IS FOR COMMERCIAL USE ONLY, AND SHOULD ONLY BE APPLIED BY TRAINED PERSONNEL. NOT FOR SALE OR USE BY GENERAL PUBLIC.

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