THREE-LAYER POLYOLEFIN COATINGS

Quality external pipe coating system using polyethylene and polypropylene coatings

Three-Layer Polyolefin (TLPO) fiber wrap consists of a fusion bond epoxy primer followed by a polymeric adhesive and a high-density, side-extruded polyolefin outer jacket. It is ideally suited for high temperature and soil stress conditions and is easily applied to ERW, seamless and large-diameter raised weld pipe.

Polyethylene (PE)/Polypropylene (PP) Product Features

• Intended for use as an external coating for buried or submerged oil or gas pipelines
• Offers superior adhesion, cathodic disbondment resistance and mechanical protection
• Ideally suited for directional and/or bored crossings with the option of modifying individual layers to meet the most demanding requirements
• Exceptional for moist conditions and moderately rocky conditions
• Excellent corrosion, moisture and soil stress resistance

Pipe Application Range

Minimum pipe diameter
• 114.3mm (4.5 inches)
Maximum pipe diameter
• 1,219.2mm (48 inches)
Minimum pipe length
• 9.14m (30 feet)
Maximum pipe length
• 24.38m (80 feet)

Compliance

CSA Z245.21-06 B1
THREE-LAYER POLYOLEFIN COATINGS

Properties and Operating Temperatures for Three-Layer Polyethylene Coatings

<table>
<thead>
<tr>
<th>Property</th>
<th>Unit</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>FBE primer thickness</td>
<td>mm (mils)</td>
<td>≥ 0.25 (10)</td>
</tr>
<tr>
<td>Adhesive thickness</td>
<td>mm (mils)</td>
<td>≥ 0.25 (10)</td>
</tr>
<tr>
<td>Polyethylene thickness</td>
<td>mm (mils)</td>
<td>≥ 1.00 (40)</td>
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</tbody>
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Operating Properties

- Maximum operating temperature: 85°C, 185°F
- Minimum handling temperature: -40°C, -40°F

Properties and Operating Temperatures for Three-Layer Polypropylene Coatings

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Operating Properties

- Maximum operating temperature: 120°C, 249°F
- Minimum handling temperature: -40°C, -40°F

Girth Weld Protection: The Bayou Companies, LLC is a distributor for heat shrinkable sleeves.

Note: For contractual purposes, the most recent edition of CSA Z245.21-06 shall apply, plus any other agreements between the Customer and The Bayou Companies, LLC.