

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

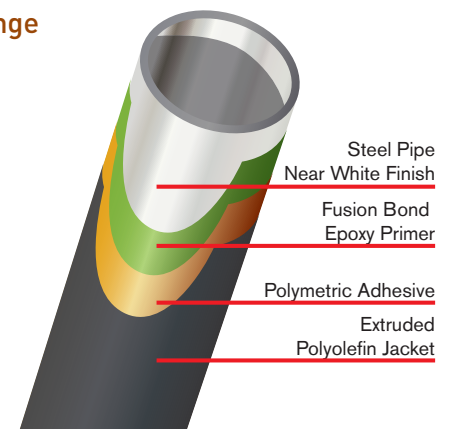
ISO 9001:2008 Registered Company

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



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Properties and Operating Temperatures for Three-Layer Polyethylene Coatings

Dimensional Properties

Property	Unit	Requirement
FBE primer thickness	mm (mils)	≥ 0.25 (10)
Adhesive thickness	mm (mils)	≥ 0.25 (10)
Polyethylene thickness	mm (mils)	≥ 1.00 (40)

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

Dimensional Properties

Property	Unit	Requirement
FBE primer thickness	mm (mils)	≥ 0.25 (10)
Adhesive thickness	mm (mils)	≥ 0.25 (10)
Polypropylene thickness	mm (mils)	≥ 1.00 (40)

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.



An Aegion Company

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