

3LPP

3-Layer Polypropylene Coating

3-Layer Polypropylene (3LPP) is a multilayer coating composed of three functional components; a high performance Fusion Bonded Epoxy (FBE) primer, followed by a copolymer adhesive, and an outer layer of polypropylene which provides one of the toughest, most durable pipe coating solutions available. 3LPP systems provide excellent pipeline protection for small and large diameter pipelines at up to high operating temperatures.

High Temperature Corrosion Protection

- The FBE component of the 3LPP system provides excellent adhesion to steel, providing superior long term corrosion resistance and protection of pipelines operating at high temperatures
- The superior adhesion properties of the FBE also results in excellent resistance to cathodic disbondment, reducing the total cost of cathodic protection during the life of the pipeline

Engineered Solutions

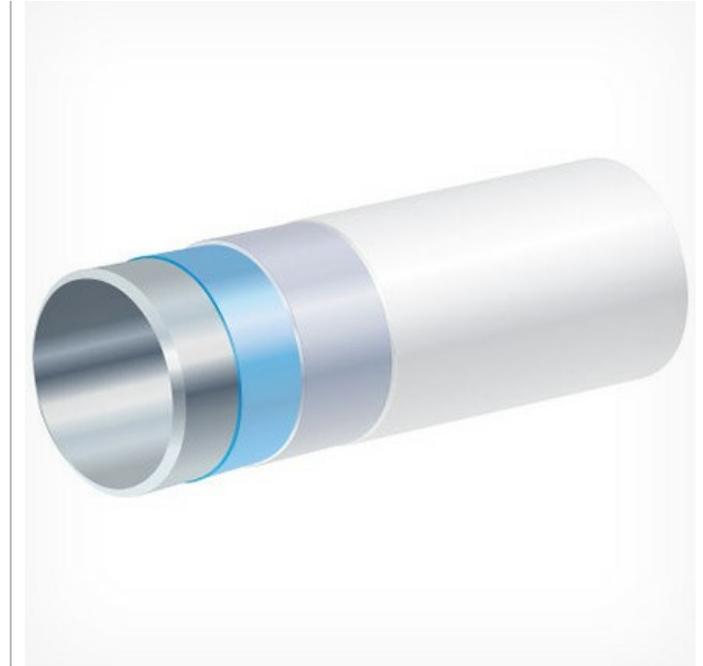
- Advanced manufacturing techniques allow the 3LPP system to be customized to your specific project
- Can be applied in a wide range of thicknesses to cost effectively meet unique project specifications and performance requirements

Excellent Mechanical Protection

- The tough outer layer of polypropylene protects pipelines during transportation and installation thereby reducing costly repairs and providing added in-ground protection against shear forces, chemicals and abrasive soil conditions
- By increasing the thickness of the polypropylene outer layer, 3LPP can provide the highest level of mechanical protection across many diverse environments without requiring the use of costly select backfill

Global Availability

- 3LPP can be manufactured in a single plant or in multiple coating plants to improve project logistics
- Through Shawcor's global footprint of high capacity plants, clients benefit from single point of contact project management, even in the most demanding logistic configurations



CAPABILITY/PROPERTIES	3LPP
Minimum Pipe Diameter	90 mm (3.5")

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Maximum Pipe Diameter	1220 mm + (48")+
Minimum Recommended Handling & Construction Temperature	-20°C
Maximum Recommended Operating Temperature	110°C (buried service)
Bendability	Yes

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