

Polyken® Pipeline Coatings



POLYKEN® Utility Tape

System Description

The Polyken utility tape coating systems have a rich tradition in the pipeline industry since their introduction in 1950. Designed specifically for the gas utility, oil field, and plumbing industries, the polyethylene backing and butyl rubber adhesive are highly conformable and remain flexible over a wide temperature range.

Product Advantages

- Established and proven performance
- Exceeds LT 1512-A, LT-0077, and MIL I-7798
- Conformable to irregular shapes specifications
- Hand or machine application
- Compatible with most generic plant coating systems

System Products

Polyken #900

General utility tape designed for small diameter pipe applications on elbows, fittings, field joints, and pipe sections. Highly conformable hand applied system for tight uniform protection on a wide variety of metal substrates.

Polyken # 910

All purpose field applied tape coating system for use in the oil patch and gas fields. Suited for hand application on a variety of steel structures common to the oil field. Frequently used for small makeshift repair and temporary corrosion protection behind protection diameter pipe gathering systems.

Polyken # 911 # 908

General utility tape coating system for temporary makeshift repair of primary coating systems. Engineered for either hand or machine application, (only 911, not 908) the system is suited for the in-ground protection of joints, elbows, and tees.

Polyken # 920

General utility tape coating system to be used where higher mechanical protection is required. Designed for hand or machine application, the conformable polyethylene backing delivers a tough, uniform corrosion protection system.

System Components

1027 Primer Layer
Percent solids: 30%
Wt/gal: 7.3 lbs

Flash point: 40° F
Also available: low VOC and zero VOC primer

Utility Coating

Roll width: 1, 2, 4, 6 inch
Roll length: 100 feet
Colors: Black, gray, yellow

Physical Properties

	# 900	# 908	# 910	# 911	# 920
Thickness:					
Total Thickness	12 mils	8 mils	10 mils	9 mils	20 mils
• ASTM D 1000	0.3 mm	0.20 mm	0.25 mm	0.23 mm	0.51 mm
Backing Thickness	8 mils	5 mils	6 mils	6 mils	15 mils
Adhesive Thickness	4 mils	3 mils	4 mils	3 mils	5 mils
Tensile Strength:	5 lbs/in	12 lbs/in	18 lb/in	25 lb/in	35 lb/in
• ASTM D 1000	44 N/10 mm	21 N/10 mm	32 N/10 mm	44 N/10 mm	61 N/10 mm
Elongation	175%	300%	250%	100%	250%
• ASTM D 1000					
Peel Adhesion to Primed Pipe:	← 100 oz/in 11 N/10 mm →				
• ASTM G 17					
Dielectric Strength:	13 kv	7 kv	8 kv	13 kv	16 kv
• ASTM D 149					
Water Vapor Transmission Rate:	← 0.05 g/100 in ² /24 hr - 0.8 g/100 cm ² /24 hr →				
• ASTM F 1249 100°F, 100%RH					
Holiday Detection Voltage:	4.3 kv	3.5 kv	4.0 kv	3.8 kv	5.6 kv
• NACE RP-02-74					
Temperature Range:	← -30° to 150°F -34 to 66°C →				
• Normal in-ground service					

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CORROSION PROTECTION GROUP

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