

## #930 Tape Coating System

# Polyken Pipeline Coatings

### System Description

The Polyken #930 is a cold applied tape coating system designed for the corrosion protection of field joints, fittings, and specialty piping. The unique adhesive retains conformability over a wide temperature range, yet exhibits an elevated level of shear resistance, which is a key in-ground performance characteristic. Coupled with the low-density polyethylene backing, this versatile tape system can be applied by hand or with a wrapping machine.

### Product Advantages

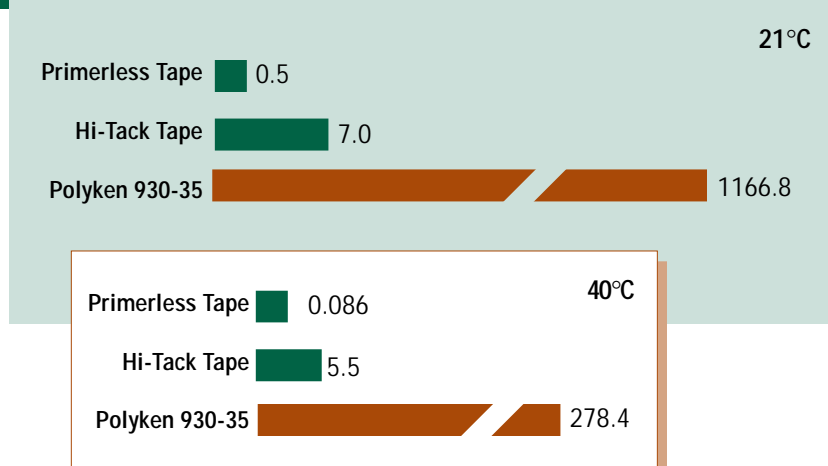
- Heavy duty adhesive
- Conformable to irregular shapes
- No release liner
- Established in-ground history
- Complies with AWWA C-209 Standard
- Compatible with generic plant coating systems

### AWWA C-209 Standard Requirements for Cold Applied Tape System

	Standard Requirements	#930-35 Values	#930-50 Values
Thickness	Min. 30 mils	35	50
WVTR	Max. 0.25 perm	0.07	0.07
Dielectric strength	Min. 400 volts/mil	650	600
Insulation resistance	1 x 10 <sup>5</sup> megohm	1.4 x 10 <sup>7</sup>	2.0 x 10 <sup>7</sup>
Adhesion to primed steel	Min. 20 oz/inch	250	320

◀ The Polyken #930 tape coating system exceeds the American Water Works Association AWWA C-209 Standard.

### Shear Resistance (hours, time to move 5 cm)



◀ The heavy duty adhesive of the #930 tape coating system exhibits greater resistance in shear movement than conventional joint coating systems.

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## System Components

Primer layer #1027	#930 Anti-corrosion layer	#954 Mechanical layer
Percent solids: 30%	Tensile: 15, 25 lbs/in	Tensile: 30 lbs/in
Wt/gal: 7.3 lbs	Elongation: 150%	52.5 N/cm
Flash point: +40° F	Color: White, black, blue, purple	Elongation: 200%
Also available: low and zero VOC primer		Color: White

## System Properties

	#930-35	#930-50
<b>Thickness</b>		
• ASTM D 1000	35 mils 0.89 mm	50 mils 1.27 mm
<b>Peel Adhesion to Primed Pipe:</b>		
• ASTM D 1000	225 oz/in 2.5 kg/cm	300 oz/in 3.4 kg/cm
<b>Cathodic Disbondment:</b>		
• ASTM G 8	0.25 in radius 6.4 mm	0.25 inch radius 6.4 mm radius
<b>Water Vapor Transmission Rate:</b>		
• ASTM F1249 (100°F, 100%RH)	0.04g/100in <sup>2</sup> /24 hr 0.6g/M <sup>2</sup> /24/hr	0.04g/100in <sup>2</sup> /24 hr 0.60g/M <sup>2</sup> /24 hr
<b>Volume Resistivity:</b>		
• ASTM E 257	2.5 x 10 <sup>16</sup> ohm•cm	2.5 x 10 <sup>16</sup> ohm•cm
<b>Dielectric Strength:</b>		
• ASTM D 149	21 kv	28 kv
<b>Temperature Range:</b>		
• Normal in-ground service	-30° to 150° F -34° to 66° C	-30° to 150° F* -34° to 66° C*

\*Contact a Tyco representative for specific project recommendations.

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Disclaimer: The values listed for product properties are averages obtained from standard industry test procedures, except where noted. Complete warranty details are provided in Tyco's Terms and Conditions of Sale.