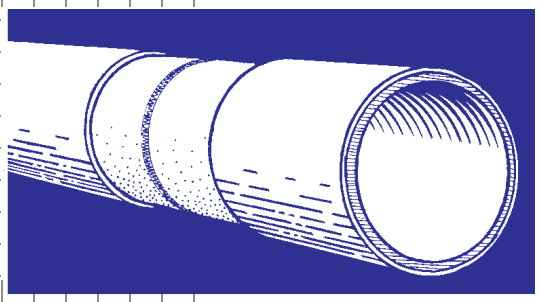

POLYKEN® # 930

Tape Coating for Joints & Fittings

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 a pliable very maleable polyethylene backing, this versatile tape system can be applied by hand or with a wrapping machine.

Product Features/Benefits

- Heavy duty adhesive
  Ensures a strong bond & impervious seal
- Conformable to irregular shapes
  Offers a solution for nearly every application
- No release liner
  Makes installation fast and easy
- Worldwide reference lists
  Established in-ground history
- Complies with AWWA Standard C-209
  Reliable, high performance corrosion protection
- Compatible with generic plant coating systems
  Versatile

Product Selection Guide	#930
Max operating temperature	66ºC (150ºF)
Recommended primer	1027 or 1033A
Additional mechanical layer	955 or 954
Compatible line coatings	PE, FBE, Tape & Coal Tar
Recommended pipe preparation	SSPC-SP2, SP3 & SP6 ST 2 1/2 – ST 3
Performance	AWWA C-209

Product Construction	930-35	930-50
Backing	6.5 mils (0.165 mm)	10 mils (0.254 mm)
Adhesive	28.5 mils (0.724 mm)	40 mils (1.016 mm)
Backing color	Black, White*	Black*

* Other colors are available on request

Product Properties	Test method	Typical Value #930-35	Typical Value #930-50
Tensile Strength	ASTM D1000	15 lbs/in (26 N/cm)	25 lbs/in (44 N/cm)
Elongation	ASTM D1000	150 %	150%
Peel Adhesion to Primed Steel	ASTM D1000	225 oz/in (25 N/cm)	300 oz/in (33 N/cm)
Cathodic Disbondment:	ASTM G8	0.25 in radius (6.4 mm)	0.25 in radius (6.4 mm)
Water Vapor transmission	ASTM E96B	0.07 perm	0.07 perm
Water Vapor Transmission Rate	ASTM F1249 (100ºF, 100% RH)	0.04g/100in^2/24hr (0.6g/m^2)	0.04g/100in^2/24hr(0.6g/m^2)
Volume Resistivity	ASTM E257	2.5 x 10^{16} ohm•cm	2.5 x 10^{16} ohm•cm
Dielectric Breakdown	ASTM D1000	650 volts/mil (25.6 kV/mm)	600 volts/mil (23.6 kV/mm)
Dielectric Strength	ASTM D149	21 kV	28 kV
Insulation resistance	ASTM D1000	1.4 x 10^7 MOhm	2.0 x 10^7 MOhm
Impact resistance	EN12068	>8 Nm	>8Nm
Penetration resistance	EN12068	Class B30	Class B30

DS-930-REV-1-04-03

Ordering Information

Polyken 930 Tape Coatings are available in roll form

Example : **930-35 BLK 2X50FT 1.5**

930	Product type	Standard Ordering options
35	Total tape thickness in mils	35 mils (0.89 mm), 50 mils (1.27 mm)
BLK	Tape backing color	Black (BLK), White (WHI), Blue (BLU)
2	Tape width in inches	1"(25 mm), 2"(50 mm), 4"(101 mm), 6"(152 mm),
50FT	Tape roll length in feet	50 FT (15M)
1.5	Tape inner core diameter in inch	1.5"(38 mm), 3" (75 mm)

For other ordering options please contact your Tyco Adhesives representative.

Equation for Pipe Coating Requirements

$$\frac{\text{(Width of Coating in inches) x (Area of pipe in square feet)*}}{\text{(Width of Coating in inches – Overlap in inches) x100}} = \text{Squares** of Coating Required}$$

** Area of pipe in square feet = (Diameter in inches) / 12 x 3.1416 x (Length in ft)*

** One Square = One hundred square feet = 9.29 square meters

$$\frac{\text{(Width of Coating in mm) x (Area of pipe in square meter)*}}{\text{(Width of Coating in mm – Overlap in mm)}} = \text{Square meters of Coating Required}$$

**Area of pipe in square meter = (Diameter in mm) /1000 x 3.1416 x (Length in meter)*

POLYKEN®
PIPELINE COATING

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