

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. Couple with a very malleable 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	85°C (185°F)
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, DIN30672 & EN12068 class B30

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

Product Properties	Test method	Typical Value	Typical Value
		#930-35	#930-50
Tensile Strength	ASTM D1000	15 lbs/in (26 N/cm)	25 lbs/in (44 N/cm)
Elongation	ASTM D1000	340 %	300%
Peel Adhesion to Primed Steel	ASTM D1000	250 oz/in (27 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 (100°F, 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

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" (76 mm)

For other ordering options please contact your Berry Plastics representative.

Equation for Pipe Coating Requirements

$$\frac{(\text{Width of Coating in inches}) \times (\text{Area of pipe in square feet})^*}{(\text{Width of Coating in inches} - \text{Overlap in inches}) \times 100} = \text{Squares}^{**} \text{ of Coating Required}$$

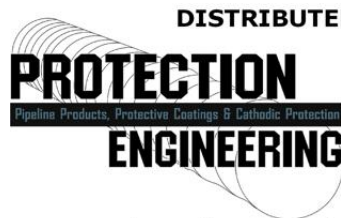
* Area of pipe in square feet = (Diameter in inches) / 12 x 3.1416 x (Length in ft)

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

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

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

Berry Plastics warrants that the product conforms to its chemical and physical description and is appropriate for the use stated on the technical data sheet when used in compliance with Berry Plastics written instructions. Since many installation factors are beyond the control of Berry Plastics, the user shall determine the suitability of the products for the intended use and assume all risks and liabilities in connection herewith. Berry Plastics liability is stated in the standard terms and conditions of sale. Berry Plastics makes no other warranty either expressed or implied. All information contained in this technical data sheet is to be used as a guide and is subject to change without notice. This technical data sheet supersedes all previous data sheets on this product.



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