



# POLYKEN® #932 Tape Coating

# Polyken® Pipeline Coatings

## System Description

The Polyken #932 is a cold applied tape coating system designed for the corrosion protection of field joints, fittings and specialty piping. Polyken 932-35 is suitable and can be used to protect longitudinal and spiral weld pipe welds. The high tack butyl rubber adhesive is designed for high initial adhesion, even during extreme cold weather applications. The Polyken #932 tape with very tacky adhesive has a plastic release liner to enable proper unwinding of the roll. Coupled with the highly conformable polyethylene backing, the 932 adhesive optimally flows, fills and instantaneously bonds to the substrate. 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
- High tack adhesive  
Very useful in extreme cold weather applications
- Worldwide reference list  
Established in-ground history
- Complies with AWWA Standard C-209 , EN12068, DIN30672  
Reliable, high performance corrosion protection
- Compatible with generic plant coating systems  
Versatile

## Product Selection Guide

#932

Max operating temperature	50°C (122°F)	
Recommended primer	1027 or 1033A	
Additional mechanical layer	955 or 954	
Compatible line coatings	PE, FPE, Tape & Coal Tar	
Recommended pipe preparation	SSPC-SP2, SP3 and SP6 ST 2 1/2 – ST 3	
Performance	AWWA C-209, EN12068 & DIN 30672 class B30	
<b>Product Construction</b>	<b>932-35</b>	<b>932-50</b>
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, White*

\* Other colors are available on request

Product Properties	Test method	Typical Value	
		#932-35	#932-50
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	150 oz/in (17 N/cm)	160 oz/in (18 N/cm)
Peel Adhesion to Primed Steel	EN12068	8 N/cm (81 oz/in)	
Cathodic Disbondment	ASTM G8	0.25 in radius (6.4 mm)	0.25 in radius (6.4 mm)
Cathodic Disbondment	EN12068	0.10 in radius (2.5 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 <sup>2</sup> /24hr (0.6g/m <sup>2</sup> )	0.04g/100in <sup>2</sup> /24hr(0.6g/m <sup>2</sup> )
Volume Resistivity	ASTM E257	2.5 x 10 <sup>16</sup> ohm•cm	2.5 x 10 <sup>16</sup> ohm•cm
Dielectric Breakdown	ASTM D1000	650 volts/mil (25.6 kV/mm)	650 volts/mil ( 25.6 kV/mm)
Dielectric Strength	ASTM D149	21 kV	28 kV
Insulation resistance	ASTM D1000	1.4 x 10 <sup>7</sup> MOhm	2.0 x 10 <sup>7</sup> MOhm
Impact resistance	EN12068	>8 Nm	>8Nm
Penetration resistance	EN12068	Class B30	Class B30

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## Ordering Information

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Polyken 932 Tape Coatings are available in roll form

Example : 932-35 BLK 2X50FT 1.5

932	Product type	Standard Ordering options
35	Total tape thickness in mils	35 mils (0.89 mm), 50 mils (1.27 mm), 65 mils (1.65 mm)
BLK	Tape backing color	Black (BLK), White (WHI), Blue (BLU)
2	Tape width in inches	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.

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## Equation for Pipe Coating Requirements

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

$$(\text{Width of Coating in inches} - \text{Overlap in inches}) \times 100$$

\* 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

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

$$(\text{Width of Coating in mm} - \text{Overlap in mm})$$

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

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*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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