

Polyken # 954

Protective Pipeline Outerwrap



Market	Applications	Temperature Range	Performance
Oil and Gas Utility Pipeline Rehabilitation Water Distribution, Infrastructure and Transmission Wellhead, Gathering & Flow Lines	Hand or machine applied. Reconditioning or bell hole rehabilitation. Plant applied coatings with tie-ins & patch & repair uses.	up to 85°C (185°F)	AWWA C-209

System Description

The Polyken 954 is a protective pipeline joint outerwrap that is used where a complete bond of outerwrap to tape is specified.

Its tough polyethylene backing provides excellent mechanical protection to anti-corrosion joint wraps. The adhesive assures a complete bond and eliminates

the need for tie-downs on the outerwrap. Polyken 954 is designed for hand application over the primary joint wrap.

Product Advantages

- **Worldwide reference lists**
Proven long-term in-ground performance.
- **Tight bond**
Tough, pressure sensitive adhesives means the outerwrap bonds and stays permanently.
- **Easy application**
Engineered to achieve a taut, smooth wrap over a wide range of joint coatings, Polyken 954 is the first choice when protection of the primary joint wrap is required. It gives a smooth, tough protection to the pipeline under all climatic conditions, in any terrain, anywhere in the world.

Product Selection Guide

- **Operating temperature**
-34°F (-30°C) to 185°F (85°C)
- **Compatible line & joint coatings**
Polyken tapes 930, 932, 934, 980, 955, 942 and 4000

Product Construction

	954-15
• Total thickness	15 mils (0.39 mm)
• Backing	11 mils (0.28 mm)
• Adhesive	4 mils (0.10 mm)
• Backing Color	White

Product Properties

Properties	Test Method	Typical Value
Tensile strength	ASTM D1000	20 lbs/in. (35 N/cm)
Elongation	ASTM D1000	200%
Adhesion to backing	ASTM D1000	25 oz/in. (2.8 N/cm)

**Peak average of adhesion to it's own backing*

Ordering Information

Polyken 954 Tape Coatings are available in roll form.

954-15 WHI 2 X 100 1.5

Tape inner core diameter	1.5" (38 m)
Tape roll length	100 ft (30 m)
Tape width	2, 4 or 6" (50, 101 or 152 mm)
Tape backing color	White (WHI)
Total tape thickness	15 mils (0.39 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)

DS-954-REV9-AUG12-AARPS-0452



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