

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

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

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

* 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)

DS-954-REV9-AUG12-AARPS-0452



CORROSION PROTECTION GROUP
www.berrycpg.com

Headquarters

Franklin, MA, USA
Tel: +1 508 918 1714
US Toll Free: +1 800 248 0149
Fax: +1 508 918 1910
CPG@berrypastics.com

The leading global partner in protecting the integrity of critical infrastructure.

Berry Plastics warrants that the product(s) represented within conform(s) to its/their chemical and physical description and is appropriate for the use as stated on the respective 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 is obligated to 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 the respective technical data sheet(s) should be used as a guide and is subject to change without notice. This document supersedes all previous revisions. Please see revision date on the right.

The information and values listed for Berry Plastics products are averages obtained from the relevant industry test procedures, carried out in our laboratories under controlled conditions. Values obtained on site will vary depending on the test methods and conditions. Manufacturing tolerances are available on request. Whilst Berry Plastics warrants its products to be free of material and manufacturing defects, Berry Plastics disclaims any liability in connection with the misuse of Berry Plastics products.

Houston, TX, USA
Tel: +1 713 676 0085
US Toll Free: +1 888 676 7202
Fax: +1 713 676 0086
CPG@berrypastics.com

Tijuana, Mexico
Tel USA +1 858 633 9797
Fax US: +1 858 633 9740
Tel Mexico: +52 664 647 4397
Fax Mexico: +52 664 607 9105
CPGTJ@berrypastics.com

Westerlo, Belgium
Tel. +32 14 722500
Fax +32 14 722570
CPGE@berrypastics.com

Baroda, India
Tel: +91 2667 264721
Fax: +91 2667 264724
CPGIN@berrypastics.com

Local Distributor / Representative:

For contact details of local Distributors / Representatives
Please visit: www.berrycpg.com