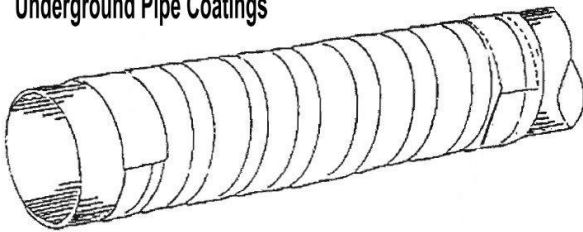


POLYKEN 980 Anticorrosion Tapes(Inner Wrap)

Image



The Valuable Solution For
Underground Pipe Coatings



**POLYKEN 980&955
Coating System For Pipeline**

System Description

The POLYKEN 980,955 is a multilayer system used for the protection of steel pipelines. POLYKEN 1019,1027, Liquid Adhesives can be used as primers for this system. In addition to serving as primers, these liquid adhesives themselves represent an anticorrosion layer and provide a uniformly smooth contact surface to promote high adhesion of the coating system to the pipe. They are designed for machine or brush application and formulated with stress-corrosion cracking inhibitors. The Anti-Corrosion layer POLYKEN 980 is engineered to assure a high bond to the primed surface with excellent conformability characteristics. The mechanical protection layer POLYKEN 955, achieves a complete bond to the POLYKEN 980 inner layer, providing maximum handling and in-service protection for the coating system. The adhesives in these and all POLYKEN tape systems contain proven anti-microbial additives. The POLYKEN 980/955 can also be used for ductile iron pipes, in this case the use of 1027 primer is recommended.

Features

- Resistant to soil stress
- Excellent adhesion to pipe and self
- Low cathodic protection
- Long-term in-ground performance
- Serve for low-high temperatures
- Cold applied
- Uniform coating thickness
- Compatible with all pipe diameters and generic plant coating systems
- Qualified ASTM D1000,AWWA C 214,EN 12068 standards

Structure

Backing : Special blend of stabilized polyethylene
Adhesive : Butyl rubber and Adhesion Promoting Resins
Color: Black



Properties

Product Properties	Test method	Typical Value			
		POLYKEN980-15	POLYKEN980-20	POLYKEN980-25	POLYKEN980-30
Total Thickness		15mil(0.381mm)	20mil(0.508mm)	25mil(0.635mm)	30mil(0.762mm)
Backing of PE film		9 mils(0.229 mm)	12mil(0.305mm)	13mil(0.330mm)	10mil(0.254mm)
Butyl Rubber Adhesive		6 mils(0.152 mm)	8mil(0.203mm)	12mil(0.305mm)	20mil(0.508mm)
Tensile Strength	ASTM D1000	40 N/cm	55 N/cm	62 N/cm	70 N/cm
Elongation	ASTM D1000	300%	330%	350%	400%
Peel Adhesion to Primed Steel	ASTM D1000	24.5 N/cm	25 N/cm	26.5 N/cm	30 N/cm
Water Vapor Transmission Rate	ASTM E 96	0.10g/m ²	0.10g/m ²	0.09g/m ²	0.08g/m ²
Water absorption after 1 day,At+23°C	ASTM D570	0.10%	0.10%	0.08%	0.06%
Volume Resistivity	ASTM D 257	2.0 x 10 ¹⁵ ohm.cm	2.5 x 10 ¹⁵ ohm.cm	2.5 x 10 ¹⁵ ohm.cm	2.5 x 10 ¹⁵ ohm.cm
Dielectric Strength	ASTM D149	30 kV	35 kV	42kv	43kv

Ordering Information

POLYKEN 980 and 955 tape coatings are in roll form.

Eg.: **POLYKEN980-20 BLK 6"×400'**

POLYKEN 980	Product Model No.	Standard ordering options
20	Total tape thickness in mils	15mils(0.381mm),20mils(0.508mm),25mils(0.635mm),30mils(0.762mm)
BLK	Tape backing color	Black (BLK)
6	Tape width in inches	2"(50mm),,4"(100mm),6"(150mm),9"(228mm),12"(305mm)18" (457mm)
400	Tape roll length in feet	100ft(30M),200ft(61M),400ft(122M),600ft(183M),800ft(244M)

Eg.: **POLYKEN955-20 WHI 6"×400'**

POLYKEN 955	Product Model No.	Standard ordering options
20	Total tape thickness in mils	15mils(0.381mm),20mils(0.508mm),25mils(0.635mm),30mils(0.762mm)
WHI	Tape backing color	White (WHI)
6	Tape width in inches	2"(50mm),,4"(100mm),6"(150mm),9"(228mm),12"(305mm)18" (457mm)
400	Tape roll length in feet	100ft(30M),200ft(61M),400ft(122M),600ft(183M),800ft(244M)

(Width of Coating in inches) ×(Area of pipe in square feet)*

-----=Squares **of Coating Required

(Width of coating in inches-Overlap in inches) ×100

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

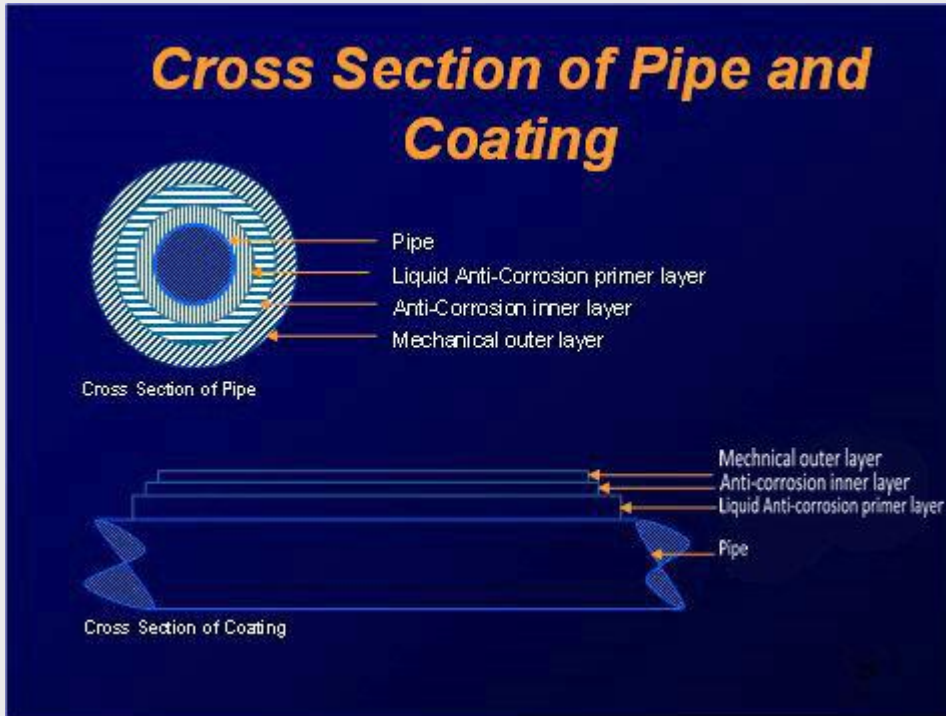
**One square=One hundred square feet=9.29 square meters

(Width of Coating in mm) × (Area of pipe in square meter)*

-----=Square meter of Coating Required

(Width of coating in mm-Overlap in mm)

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



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