

JINING QIANGKE PIPE ANTICORROSION MATERIALS CO.,LTD

PIPELINE COATINGS

The World Leader in Technology,

Quality and Service



POLYKEN Coating System



POLYKEN Line Travel Coating System



POLYKEN Reconditioning coatings



POLYKEN Plant Coating System

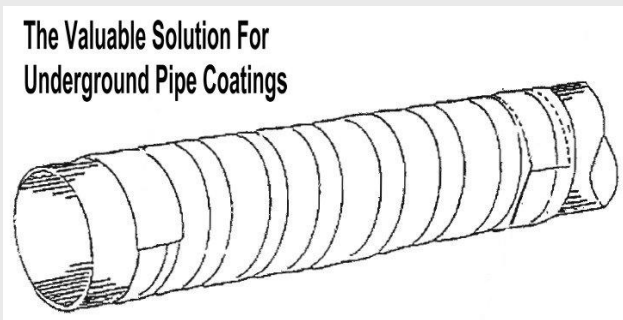


POLYKEN Pipeline accessory products

THE HIGHEST QUALITY ANTI-CORROSION COATING SYSTEMS FOR UNDERGROUND PIPELINES

1、POLYKEN 942&955 Coating System

Image



POLYKEN 942/955 3-ply Coating System For New Pipelines and Existing Pipeline Rehabilitation

System Description

The POLYKEN 942&955 System is a multilayer coating system designed for the corrosion protection of pipelines operating in highly corrosive environments and exposed to high mechanical stresses that may be present particularly on large diameter pipes. The system consists of POLYKEN#1027 liquid adhesive, POLYKEN #942 three-ply anti-corrosion inner layer and POLYKEN #955 mechanical outer layer and is fully certified to the DIN 30672 and EN12068 standards. The 3-ply adhesive system produces a strong cohesive bond to the primed steel surface, at the spiral overlap and to the mechanical outer layer. The tough mechanical properties of the outer layer provide protection to the pipes during handling and installation.

Features

- Fully amalgamating overlapping areas

Forming a sleeve-type coating

- Impermeable to oxygen and moisture
- Resistant to soil stress

Superior in-ground performance

-Long-term in-ground performance

-Uniform coating thickness

Plant coating quality with in-situ application

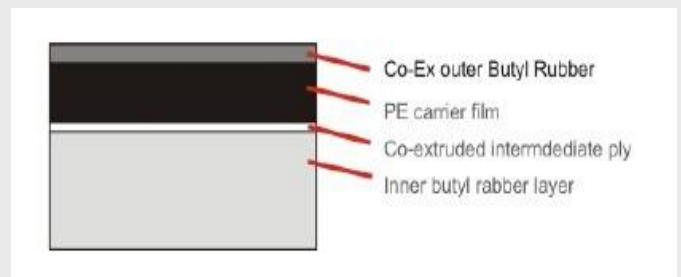
-Low cathodic protection-current requirements

Saving cost over the life of the pipeline

-Compatible with all pipe diameters and generic plant coating systems

Structure

	Inner-3ply POLYKEN 942-32	Outer-2ply POLYKEN 955-20
Backing :	12mil(0.30mm)	15mil(0.381mm)
Adhesive Inner Layer :	12mil(0.30mm)	5mil(0.127mm)
Adhesive Outer Layer:	8mil(0.20mm)	
Total Thick	0.80mm	0.508mm



Properties

PROPERTIES	UNIT	TEST METHOD	Inner layer-3ply tape
			POLYKEN 942-32
Total Thickness	mil	ASTM D 1000	32mil(0.8mm)
Tensile strength	N/cm	ASTMD1000	112
Elongation at break	%	ASTMD1000	650
Peel strength to primed steel at 23 °C at 50°C	N/cm	EN 12068 Annex C	15
			1.3
Peel strength tape to tape at 23 °C at 50°C	N/cm	EN 12068 Annex B	25
			3.5
Peel strength layer to layer -Inner to Inner -Outer to Inner -Outer to Outer	N/mm	EN 12068	1.5
			2.0
			0.5
Dielectric strength	Kv/mm	ASTMD149	32
Insulation Resistance	Ohm.m ²	EN 12068	10 ¹²
Water Vapor Transmission	g/ m ² /24h	ASTM E 96	0.1
Water Absorption	%	ASTM D 570	0.08
Impact resistance at 23°	J	EN 12068	18
Cathodic disbandment at 23°C at 50°C	mm	EN 12068	15
			30
Lap shear strength at 50°C	N/mm ²	EN 12068	0.05

Ordering Information

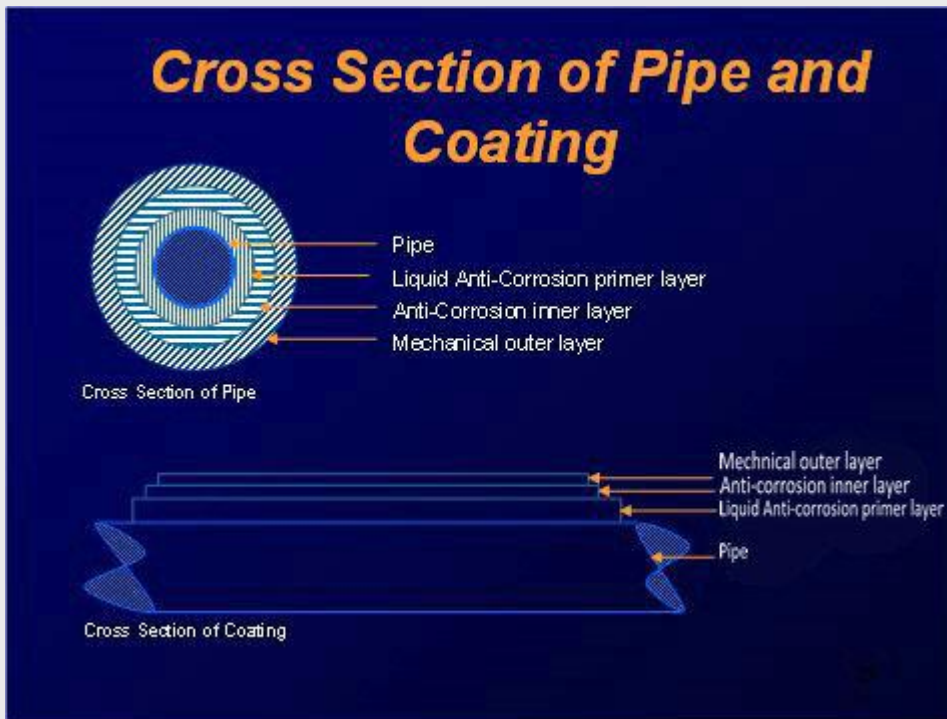
POLYKEN 942 and 955 tape coatings are in roll form.

Eg.: **POLYKEN 942-32 4"×100'**

POLYKEN942	Product Model No.	Standard ordering options
32	Total tape thickness in mils	32mils(0.8mm)
BLK	Tape backing color	Black (BLK)
4	Tape width in inches	2"(50mm),,4"(100mm),6"(150mm),9"(228mm),12"(305mm)18" (457mm)
100	Tape roll length in feet	50ft(15M)100ft(30M),200ft(61M)

Eg.: **POLYKEN 955-20 BLK 4"×100'**

POLYKEN955	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),White (WHI)
4	Tape width in inches	2"(50mm),,4"(100mm),6"(150mm),9"(228mm),12"(305mm)18" (457mm)
100	Tape roll length in feet	100ft(30M),200ft(61M),400ft(122M),600ft(183M),800ft(244M)



Contact:

JINING QIANGKE PIPE ANTICORROSION MATERIALS CO.,LTD

ADD:JIAXIANG INDUSTRY PARK,JINING,SHANDONG ,CHINA

TEL:+86 537 6400111

FAX:+86 537 6400222

E-Mail: chinapipetape@163.com

Web: www.pipe-wrap-tape.com

