

# **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**

**Company Profile****About Us**

- *We are the most largest manufacturers of Polyethylene Tape in China for the Corrosion Control of pipelines and specialty applications .*
- *A company supplying Polyethylene Coating Systems to the corrosion industry within the oil, gas and water pipeline construction industry for both onshore and offshore applications.*
- *A manufacturer of standard and specialty products.*
- *High-quality anti-corrosion systems providing anti-corrosion solutions for oil pipelines, natural gas, chemicals and water transmission and distribution pipelines, etc.*
- *Global supplier of PE corrosion system for metallic pipelines*

**Industries that We Serve**

- *Oil, Gas and Water Transmission pipeline market ,Oil and Gas distribution and utility markets*
- *New pipeline construction markets*
- *Rehabilitation and Reconditioning market*
- *Offshore Industry*
- *Refinery and Petrochemical Plant Industry*
- *Manufacture of Polyethylene coatings utilizing Butyl based elastomeric adhesives, Polyethylene films and liquid adhesives for corrosion protection of steel pipe.*
- *Provides corrosion protection with the inherent chemistry of Polyethylene and Butyl Adhesive for resistance to water and oxygen penetration. Oxygen and Water are prevented from reaching the metal substrate, which are necessary and sufficient conditions for corrosion.*
- *Manufacture of conventional and specialty Polyethylene, Polypropylene and Polymeric Alloys and coating systems for pipe corrosion protection.*
- *Manufactures PE coatings systems for applications for New Pipe Construction and Rehabilitation and Reconditioning*
- *Approved to ISO 9001 and to other good manufacturing and technical standards and norms governed within the energy and pipeline industry.*
- *Coating systems that have a broad range of temperature and shear resistance properties to meet the requirements of the pipeline and end-user.*

## Key Advantages

- *Global presence in oil, gas and water industries*
- *Innovative coatings, high temperature systems and niche coatings with first quality products*
- *Multiple coating systems to meet end-user applications and requirements*
- *Broad range of products to meet pipeline requirements*
- *Tailor made products to specific application on demand by the end-user*
- *High Quality products through innovative technology, manufacturing methodologies and first quality raw materials*
- *ISO approved manufacturing protocol*
- *Qualified to [ASTM test methods](#), [DIN 30672](#), [EN 12068 Standards](#), [American Water Standards \(AWWA\) C 209 & 214](#), [Indonesian Standards \(PERTAMINA\)](#), [Iran Standards-NIGC & IGS](#), [China Standards](#)*
- *Technology/R&D programs for new products and new processes*
- *Proven long-term performance and corrosion protection on operating pipelines*
- *Coating applied in plant and over-the-ditch*
- *Easy of application, consistent application and lower costs*
- *Compatible with traditional and current corrosion coatings*
- *Just-in-Time delivery on a global basis*
- *Achieving and exceeding Client requirements for products, packaging and shipment expectations*
- *Meetings all International and In-Country transportation requirements*
- *Girth weld coating applied in Bell-hole or out of the ditch*

## Type of Products/ Services Offered

- *Anticorrosion and Mechanical Protection Tape(2ply)*
- *Primers*
- *3ply double sided coating system(3ply+2ply)*
- *Wrapping Machines*
- *Joint tape-with or without release liner*
- *Special repair products & heavy duty tape*
- *High temperate tape*

## Tape Coating Systems

- *Line travel, over-the-ditch coatings and application*
- *Can be applied with a powered wrappers*
- *Can be used for new pipeline construction*
- *Can be used for pipeline rehabilitation/reconditionin*
- *Used in the oil, gas and water pipeline industry*
- *Offshore and Refinery coatings*

## Functionality to a Coating System

- *High adhesion strength*
- *High shear resistance and shear strength*
- *Cathodic disbonding resistance*
- *Dielectric strength and electrical resistance*
- *Resistance to impact and penetration forces and stresses*
- *Stable to thermal and hydrolytic environments*
- *Long term performance stability*
- *Compatible with cathodic protection*
- *(Resistant to UV radiation*
- *Mechanical protection*

## Technology

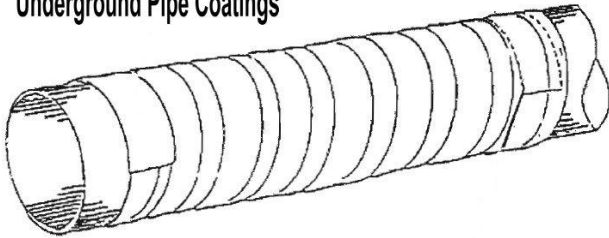
- *Calendering process for the lamination of the tape and outer-wrap produce*
- *Calenering 2 Ply and 3 Ply Polyethylene tape systems within manufacturing facility using vertical integration of resources*
- *Slitting on site for the various sizes of products to meet application requirements*
- *Packaging on site with specified packaging specification*
- *Polyethylene blending of Polyolefin resins to meet client and end-user requirements*

**POLYKEN 930 Joint Tape**

**Image**



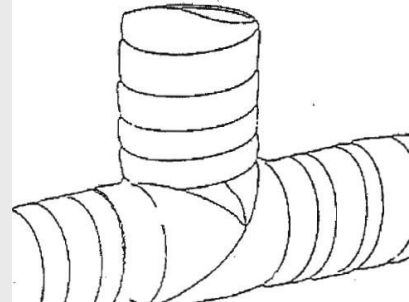
The Valuable Solution For  
Underground Pipe Coatings



**POLYKEN 930 Tape  
For Joints & Fittings  
-No release liner**

**System Description**

**POLYKEN930** is a cold applied tape coating system designed for the corrosion protection of field joints, fittings, and specialty piping. The unique adhesive retains conformability over a wide temperature range, yet exhibits an elevated level of shear resistance, which is a key in-ground performance characteristic. Coupled with a pliable, very malleable polyethylene backing, this versatile tape system can be applied by hand or with a wrapping machine.



**Features**

- Heavy duty adhesive. Ensures a strong bond & impervious seal.
- Conformable to irregular shapes. Offers a solution for nearly every application.
- No release liner. Makes installation fast and easy.

- Cold applied
- Complies with ASTM D 1000, AWWA C 214&209.
- Reliable, high-performance corrosion protection.
- Compatible with generic plant coating systems.
- Compatible with PE, FBE, TAPE & COAL TAR coatings.

**Properties**

Product Properties	Test method	Typical Value	Typical Value
		POLYKEN 930-35	POLYKEN 930-50
Tensile Strength	ASTM D1000	40 N/cm	50N/cm
Elongation	ASTM D1000	300%	350%
Peel Adhesion to Primed Steel	ASTM D1000	25 N/cm	32N/cm
Water Vapor Transmission Rate	ASTM E 96	0.03	

Water absorption after 1 day,At+23℃	ASTM D570	0.07%	
Volume Resistivity	ASTM D 257	2.0 x 10 <sup>15</sup> ohm.cm	
Dielectric Strength	ASTM D149	30 kv	32kv
Max serve temperature		-20 to + 80℃	
Color		Black or White	

**Ordering Information**

POLYKEN 930 tape coatings are in roll form.

Eg.: **POLYKEN 930-35 BLK 4"×50'**

<b>POLYKEN 930</b>	<b>Product Model No.</b>	<b>Standard ordering options</b>
35	Total tape thickness in mils	35mils(0.89mm),50mils(1.27mm)
BLK	Tape backing color	Black (BLK),White(WHI)
4	Tape width in inches	2"(50mm),,4"(100mm),6"(150mm)
50	Tape roll length in feet	50ft(15M),100ft(30M)

**(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)**

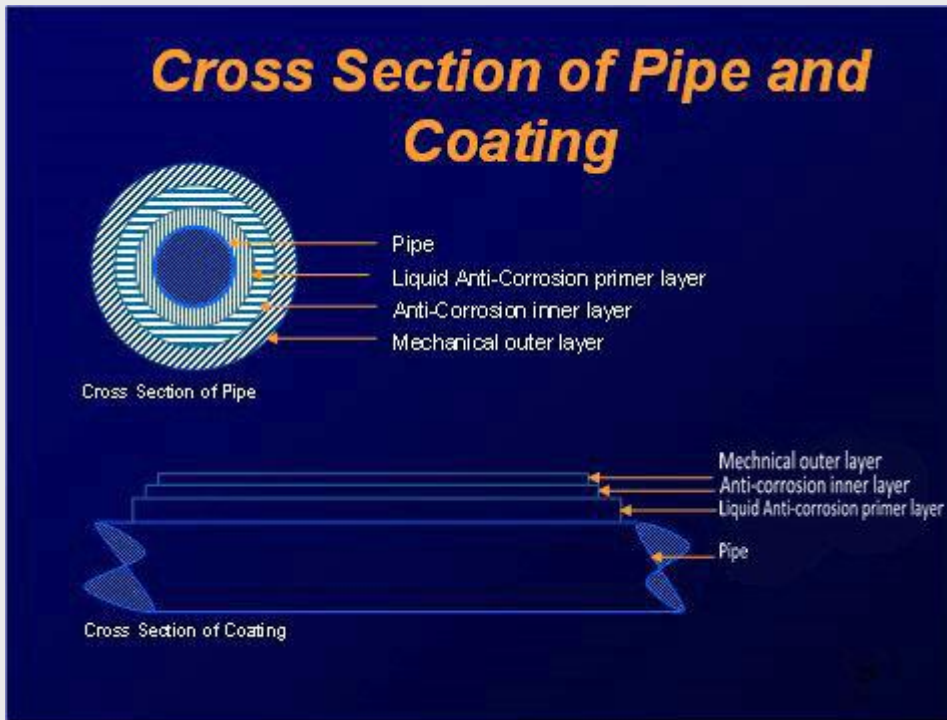
**\*\*One square=One hundred square feet=9.29 square meters**

**(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)**



**Contact:**

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