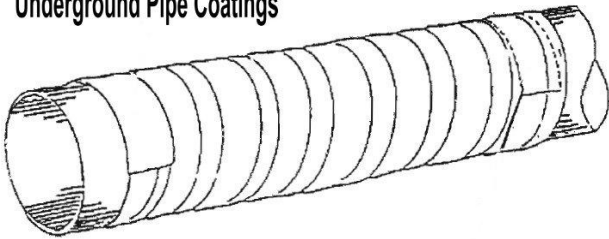


## POLYKEN Polypropylene Coating Tape

The Valuable Solution For  
Underground Pipe Coatings



**POLYKEN**

**Polypropylene Geotextile**

**Cold Applied Tape Coating System**

**The POLYKEN GTC Coating System is designed for the corrosion protection of new and existing pipelines.**

### System Description

The **POLYKEN<sup>®</sup> GTC Coating System** is designed for the corrosion protection of new and existing pipelines. The coating layer consists of a **tough, woven polypropylene backing with a high tack Butyl Rubber / Bitumen adhesive**. An additional layer of **POLYKEN<sup>®</sup> 980** or 955 should also consider to be used on pipes larger than 12" diameter to improve the soil stress resistance of the system.

### Structures

- Backing** : A tough ,woven polypropylene geotextile  
**Adhesive** : High tack butyl rubber /bitumen adhesive  
**Interleaf** : Anti-adhesive Film Treated with Silicone.

### Features

- \_ Excellent adhesion to pipe and self
- \_ Flexibility provides extra protection at vulnerable areas
- \_ Compatible with generic plant coatings
- \_ Low cathodic protection requirements
- \_ Can be applied over a wide temperature range
- \_ Good conformability and consistent uniform thickness
- \_ Heavy duty butyl adhesive ensures a strong bond & impervious seal.

**Technical Datas**

PROPERPTIES	UNIT	TEST METHOD	TYPICAL VALUES			
			POLYKENGTC 40	POLYKENGTC 50	POLYKENGTC 60	POLYKENGTC 65
Total thickness	mil	ASTM D 1000	40mils(1.0mm)	50mils(1.27mm)	60mils(1.52mm)	65mils(1.65mm)
Tensile Strength	Kg/cm	ASTM D 1000	35	35	35	35
Peel adhesion	Kg/cm	ASTM D 1000	25	28	30	35
To backing	Kg/cm	ASTM D 1000	20	25	25	25
Dielectric Strength	KV/mm	ASTM D 1000	20	23	26	30
Water Absorptivity	%	ASTM D 570	0.1	0.08	0.08	0.06
Application Temperature			-20-+75°C			
Max service temperature			-40-+80°C			
Recommended primer			P1019, P1027			

**Ordering Information**

POLYKEN<sup>®</sup> GTC coating tapes are in roll form.

Eg.: POLYKEN<sup>®</sup> GTC 4"×50'

POLYKEN GTC	Product Model No.	Standard ordering options
50	Total tape thickness in mils	40mils(1.0mm),50mils(1.27mm),60mils(1.52mm),65mils(1.65mm) 2"(50mm),4"(100mm),6"(150mm),9"(228mm),12"(305mm),18"
4	Tape width in inches	(457mm)
50	Tape roll length in feet	33ft(10m),50ft(15M),100ft(30M)

**\*\*\*Special Roll Size can be customized .**



**Material Calculation Formula :**

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

\*Area of pipe in square feet =  $(\text{Diameter in inches}) / 12 \times 3.1416 \times (\text{Length in feet})$

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

$$\frac{(\text{Width of Coating in mm}) \times (\text{Area of pipe in square meter})^*}{(\text{Width of coating in mm} - \text{Overlap in mm})} = \text{Square meter of Coating Required}$$

\*Area of pipe in square meter =  $(\text{Diameter in mm}) / 1000 \times 3.1416 \times (\text{Length in meter})$