CENTRAL PRODUCTS™

PROTECTING YOUR WORLD

POLYcoat

POLYcoat 780

High Impact Resistance Tape

Description

Cold applied, reinforced tape designed to protect metallic and concrete surfaces against corrosive forces. It is constituted by an adhesive (modified bitumen with synthetic rubber) of increased thickness, laminated onto a film of woven polypropylene fabric and a disposable release sheet, which creates a strong bond with the pipe surface, protecting against moisture penetration.

Uses

With stable dielectric rigidity and effective insulation, this product is suitable for low, medium, and high-pressure pipelines, complex pipeline networks, municipal and inner-station pipelines, and long distance pipelines.

Characteristics

POLYcoat 780 is an effective barrier to almost any combination of mechanical, chemical, and electrical corrosive forces.

POLYcoat 780 is available in two different thicknesses (1.4, 1.6mm) which provides increased mechanical protection from the destruction of soil stress.

POLYcoat 780 is resistant to curing and cracking, and enables the tape to adjust to expansion and contraction of the pipe due to temperature change.

Application

The surface shall be free of dust, paint, oils, fats, and all other strange elements.

The entire prepared surface must be immediately primed to avoid the formation of oxide and must be coated within 24 hours.

The pipelines are generally coated in spiral form manually or with machine avoiding the formation of wrinkles, air globes and with enough tension to adapt to all the irregularities of the surface, except the first and last return.

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Particulars	Properties	Test Method
Base film	PP Woven Fabric	---
Base film thickness	0.60 mm	ASTM-D1000
Compound	Modified Bitumen	---
Compound thickness	≥ 0.80, 1.00 mm	ASTM-D1000
Total thickness	≥ 1.40, 1.60 mm	ASTM-D1000
Tensile strength	≥ 180 N/cm	ASTM-D1000
Elongation at break	≥ 20%	ASTM-D1000
Peel on primed steel	≥ 45 N/cm	ASTM-D1000
Peel on Base	≥ 25 N/cm	ASTM-D1000
Cathodic disbondment	≤ 5 mm	ASTM-G8
Conformance	Excellent	---
Dielectric rigidity	≥ 25 kV	ASTM-D149
Water absorption	≤ 0.35 %	ASTM-D570
Fungus resistance	Satisfactory	ASTM-G21
Bacteria resistance	Satisfactory	ASTM-G22
Impact resistance double cover	≥ 100 lb. inch	ASTM-G14
Impact resistance single cover	≥ 30 lb. inch	ASTM-G14
Application temperature	-5 to +50 °C	---
Operation temperature	-34 to +75 °C	---

Tape Dimensions

Tape Width	m2/Roll	m2/Case	Pipe Diameter Range
50 mm	1	12	50 – 80 mm
100 mm	2	12	80 – 150 mm
150 mm	3	12	200 – 250 mm
200 mm	4	8	250 – 300 mm
250 mm	5	10	350 – 400 mm
300 mm	6	12	≥ 400 mm

** All rolls are 20 meters in length.*

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