



PROTECTING YOUR WORLD

POLYcoat

POLYcoat 660

High Flexibility Tape

Description

Cold applied anticorrosive tape with multiple applications including the construction and repair of pipelines. It is constituted by an adhesive (modified bitumen with synthetic rubber), laminated on a polyethylene film (PE) and a disposable release sheet, which creates a strong bond with the pipe surface, protecting against moisture penetration.

Uses

Protection of high-pressure pipes, short sections, welded joints and couplings, rock protection overwrap of FBE and painted coatings, distribution networks, and internal piping.

Characteristics

POLYcoat 660 provides protection against corrosion, abrasion and water penetration whether small or large diameter buried, metal or concrete pipelines.

POLYcoat 660 with its elastomeric properties eliminates separation tendencies as pipes expand and contract with the subsoil, even under very aggressive soil conditions.

POLYcoat 660 can be applied to the pipes in the factory and provides adequate protection during transportation and installation of the pipes.

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.

Particulars	Properties	Test Method
Base film	Polyethylene	---
Base film thickness	0.3 ± 0.1 mm	ASTM-D1000
Compound	Modified Bitumen	---
Compound thickness	0.8 mm	ASTM-D1000
Total thickness	≥ 1.00 mm	ASTM-D1000
Tensile strength	≥ 18 MPO	ASTM-D1000
Elongation at break	≥ 150%	ASTM-D1000
Peel on primed steel	≥ 40 N/cm	ASTM-D1000
Peel on Base	≥ 25 N/cm	ASTM-D1000
Cathodic disbondment	5 mm (max.)	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	22 lb. inch (min.)	ASTM-G14
Impact resistance single cover	7 lb. inch (min.)	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	1.5	18	50 – 80 mm
100 mm	3.0	18	80 – 150 mm
150 mm	4.5	18	200 – 250 mm
200 mm	6.0	12	250 – 300 mm
250 mm	7.5	15	350 – 400 mm
300 mm	9.0	18	≥ 400 mm

* All rolls are 30 meters in length.