



PROTECTING YOUR WORLD

POLYcoat

POLYcoat 850

High UV Resistance Tape

Description

Cold applied, auto-adhesive tape designed to protect metallic and concrete surfaces against moisture penetration and corrosive forces. It is constituted by an adhesive (modified bitumen with synthetic rubber), laminated onto a film of aluminum and a disposable release sheet, which creates a strong bond with the protected surfaces.

Uses

Designed for roof waterproofing, the protection of expansion joints and overhead piping, and any other exposed gas, water, oil, or heating lines.

Characteristics

POLYcoat 850 adheres to 100% of the substrate, eliminating vapor permeation and wind destruction.

POLYcoat 850 is elastic and adaptable to the expansion or shrinkage of the substrate without damage to the protective covering.

POLYcoat 850 with aluminum backing reflects sunlight, protecting substrate from ultraviolet radiation.

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 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	Aluminum	---
Base film thickness	≥ 0.06 mm	ASTM-D1000
Compound	Modified Bitumen	---
Compound thickness	≥ 0.94 mm	ASTM-D1000
Total thickness	≥ 1.00 mm	ASTM-D1000
Tensile strength	≥ 1.67 Kg/cm ²	ASTM-D1000
Elongation at break	1200%	ASTM-D1000
Specific weight	1.045 ± 0.05 Gr/cm ³	ASTM-D792
Moisture absorption	≤ 0.1 mm	ASTM-D570
Softening point	100 ± 2 oC	ASTM-D1706
UV resistance	Excellent	ASTM-G53
Penetration resistance	Excellent	ASTM-G17
Adhesion to the substrate	Excellent	ASTM-D1000
Adhesion between membranes	Excellent	ASTM-D1000

Tape Dimensions

Tape Width	m ² /Roll	m ² /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.