

PREMCOTE 500

Durable PVC/Bitumen Pipeline Tape

Description

Premcote 500 & Premcote 500 (Tropical Grade) is a cold applied thick polymer bitumen adhesive, laminated to a tough plasticized PVC backing.

Uses

For the anti-corrosion protection of buried or immersed pipes and fittings. The tapes can be applied by hand or machine to weld joints, bends, bare pipe lengths and pipe fittings.

Features

- Applied to marginally prepared surfaces (SSPC SP 2-3)
- Cold applied
- Good conformability
- Good impact resistance
- Excellent adhesion to pipe and self
- Excellent resistance to cathodic disbonding
- Compatible with common pipe coatings

Application

Prepare surfaces by removing all loose scale, rust or other foreign matter by grit blasting or wire brush. Surface must be clean, dry and free of grease. Apply thin film of Premcote Primer to all surfaces to be wrapped and allow to dry. Peel back interleaving and apply adhesive side of the tape to the primed surface and press down. Apply the tape spirally with enough tension to make it conform. Remove interleaving as wrapping proceeds. Overlap each turn by at least 1" (25 mm) or 55% to achieve double thickness.

Irregular surfaces such as valves, flanges, etc. may require the use of Premier Molding Compound or Premier Mastic. Refer to the product sheets for these specific products for information on application and selection.



Premcote 500

Property Specifications

PROPERTIES	PREMCOTE 500		TROPICAL PREMCOTE 500	
	ENGLISH	METRIC	ENGLISH	METRIC
Thickness (ASTM D1000)				
Backing	15 mils	381 microns	15 mils	381 microns
Adhesive	35 mils	889 microns	35 mils	889 microns
Total	50 mils	1,270 microns	50 mils	1,270 microns
Weight	.27 lbs/ft ²	1.3 kg/m ²	.37 lbs/ft ²	1.8 kg/m ²
Breaking Strength (ASTM 1000)	4.5 lbf/in.	6 N/mm	4.5 lbf/in.	6 N/mm
Tear Strength (ASTM 1004)	4.5 lbf	20 N	4.5 lbf	20 N
Elongation @ Break	260%	260%	260%	260%
Adhesion Peel Strength (ASTM D1000)				
To Primed Steel	14.3 lbf/in.	2.5 N/mm	14.3 lbf/in.	2.5 N/mm
To Self	14.3 lbf/in.	2.5 N/mm	14.3 lbf/in.	2.5 N/mm
Impact Strength (ASTM G-14)	3.69 ft lb	5 Nm	3.69 ft lb	5 Nm
Dielectric Strength	20 kV	20 kV	20 kV	20 kV
Maximum Service Temperature	140°F	60°F	167°F	75°F
Recommended Holiday Test Voltage				
Single Layer	10 kV	10 kV	10 kV	10 kV
Double Layer	15 kV	15 kV	15 kV	15 kV
Roll Widths	2", 4", 6"	50, 100, 150 mm	2", 4", 6"	50, 100, 150 mm
Roll Length	40 ft	12 m	40 ft	12 m
Recommended Primer	Premcote Primer		Premcote Primer	

Quantity Estimates

Tape Width	Tape Length	Rolls/Case	Coverage with 1" Overlap	Coverage with 50% Overlap
in.	ft.	ea.	ea.	ea.
2"	40'	12	36 ft ² /case (3.4 m ² /case)	36 ft ² /case (3.4 m ² /case)
4"	40'	8	80 ft ² /case (7.4 m ² /case)	48 ft ² /case (4.5 m ² /case)
6"	40'	4h	67 ft ² /case (6.2 m ² /case)	36 ft ² /case (3.4 m ² /case)



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