PRODUCT DATA SHEET

PREMCOTE MB-50™ TAPE

All Purpose Polyolefin Fabric/Bitumen Pipeline Tape

Description

Premcote MB-50 Tape is a tough, dimensionally stable, woven polyolefin fabric backing, laminated to a thick layer of polymer modified bitumen pressure sensitive adhesive.

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)
- Meets AWWA C209 Standard
- Cold applied
- Good comformability
- Good impact resistance
- Excellent adhesion to pipe and self
- Excellent resistance to cathodic disbondment
- 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 Compund™ or Prembond Mastic™. Refer to the product sheets for these specific products for information on application and selection.

Premier™

Premcote MB-50™ Tape

Property Specifications

Properties	English	Metric
Thickness (ASTM D1000)		
Backing	25 mils	*0.65 mm*
Adhesive	25 mils	*0.65 mm*
Total	50 mils	*1.30 mm*
Weight	0.25 lbs/ft^2	*1.2 kg/m^2*
Breaking Strength (ASTM 1000)	28.5 lbf/in.	*5 N/mm*
Tear Strength (ASTM 1004)	5.39 lbf	*24 N*
Grab Tensile Strength (Warp)	143 lbf	*650 N*
Trapezoidal Tear Strength (Warp)	88.3 lbf	*400 N*
Elongation		
Warp	19%	*19%*
Weft	15%	*15%*
Adhesion Peel Strength (ASTM D1000)		
To Primed Steel	15.4 lbf/in.	*2.7 N/mm*
To Self	15.4 lbf/in.	*2.7 N/mm*
Cathodic Disbondment Resistance (ISO 21809-3:2016 Annex G)		
28 Days at 73˚F (23˚C)	3.90 mm	*3.90 mm*
Impact Strength (ASTM G-14)	3.68 ft lb	*5 Nm*
Dielectric Strength	20 Kv	*20 Kv*
Maximum Service Temperature	158°F	*70°C*
Recommended Holiday Test Voltage		
Single Layer	10 Kv	*10 Kv*
Double Layer	15 Kv	*15 Kv*

Quantity Estimates

Tape Width	Tape Length	Rolls/ Case	Coverage with 1" (25 mm) Overlap	Coverage with 50% Overlap
in.	ft.	ea.	ea.	ea.
2" (50 mm)	50' (15 m)	24	90 ft^2/case (8.3 m^2/case)	100 ft^2/case (9.3 m^2/case)
4" (100 mm)	50' (15 m)	12	150 ft^2/case (13.9 m^2/case)	100 ft^2/case (9.3 m^2/case)
6" (150 mm)	50' (15 m)	8	168 ft^2/case (15.6 m^2/case)	100 ft^2/case (9.3 m^2/case)

Premier™

HOUSTON:
9710 Telge Road,
Houston, Texas,
U.S.A. 77095
Tel: 1-281-821-3355
Fax: 1-281-821-0304

TORONTO:
90 Ironside Crescent,
Unit 12, Toronto,
Ontario, Canada M1X1M3
Tel: 1-416-291-3435
Fax: 1-416-291-0898

e-mail: info@premiercoatings.com
www.premiercoatings.com

A Member of Winn & Coales International

The information given on this sheet is intended as a general guide only and should not be used for specification purposes. We believe the information to be accurate and reliable but do not guarantee it. We assume no responsibility for the use of this information. Users must, by their own tests, determine the suitability of the products and information supplied by us for their own particular purposes. No patent liability can be assumed.