

DENSO MB-50 TAPE

All Purpose Polyolefin Fabric/Bitumen Pipeline Tape

Description

Denso 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 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 Denso Primer D 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 Densyl Mastic or Denso Profiling Mastic. Refer to the product sheets for these specific products for information on application and selection.



Denso 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
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)



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