

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)
- 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 Denso Mastic, Denso Profiling Mastic or Denso Bitumen Mastic. Refer to the product sheets for these specific products for information on application and selection.



Denso MB-50 Tape

Property Specifications

PROPERTIES	VALUE
Breaking Strength (ASTM D412)	≥ 12.0 N/mm
Elongation at Break (ASTM D412)	22 ± 3%
Adhesion Peel Strength (ASTM D1000, 24 h @23°C)	4 N/mm
Puncture Resistance (ASTM E154, ASTM D1709)	900 N
Water Vapour Resistance (ASTM E96)	0.07 g/m ² .h
Permeance (Water Method)	1.61 x 10 ⁻⁸ g/Pa.m ² .s
Hydrostatic Pressure Resistance of Waterproofing Membranes (ASTM D5385)	≥ 655 kPa.h*
Application Temperature	15°C to 45°C
Service Temperature	-10°C to 95°C
Peak Intermittent Temperature	100°C #
Thickness (ASTM D751)	
Backing	0.30 mm
Adhesive	1.35 mm
Total	1.65 ± 0.15 mm
Width	100 mm - 300 mm (standard)
Length	20 m
Weight (ASTM D751)	1.75 ± 0.15 kg/m ²
Recommended Primer	Denso Primer D
Colour	Black

Packaging

Tape Width	Tape Length	Rolls/ Case
in.	ft.	ea.
100 mm	20 m	5
150 mm	20 m	3
200 mm	20 m	2
250 mm	20 m	2
300 mm	20 m	1



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