

## 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" 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

**Thickness** (ASTM D1000)

Backing	25 mils
Adhesive	25 mils
Total	50 mils

**Weight**0.25 lbs/ft<sup>2</sup>**Breaking Strength** (ASTM 1000)

28.5 lbf/in.

**Tear Strength** (ASTM 1004)

5.39 lbf

**Grab Tensile Strength** (Warp)

143 lbf

**Trapezoidal Tear Strength** (Warp)

88.3 lbf

**Elongation**

Warp	19%
Weft	15%

**Adhesion Peel Strength** (ASTM D1000)

To Primed Steel	15.4 lbf/in.
To Self	15.4 lbf/in.

**Impact Strength** (ASTM G-14)

3.68 ft lb

**Dielectric Strength**

20 Kv

**Maximum Service Temperature**

158°F

**Recommended Holiday Test Voltage**

Single Layer	10 Kv
Double Layer	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'	24	90 ft <sup>2</sup> /case	100 ft <sup>2</sup> /case
4"	50'	12	150 ft <sup>2</sup> /case	100 ft <sup>2</sup> /case
6"	50'	8	168 ft <sup>2</sup> /case	100 ft <sup>2</sup> /case



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