

# DENSOCLAD 41HT TAPE

## Polymer Modified Bitumen Tape with Polyethylene Backing

### Description

Densoclad 41HT is comprised of polymer modified bitumen coated onto a tough, cross-laminated polyethylene backing. The bitumen compound is protected by a release paper which is discarded during application.

### Uses

Used for the long-term protection of pipes, joints and fittings. Suitable for machine or hand applied application.

### Features

- Applied to marginally prepared surfaces (SSPC SP 2-3)
- Complies with AWWA C209-2013
- Cold applied
- Suitable for use on pipelines
- Good conformability
- Good impact resistance
- Compatible with common pipe coatings
- Excellent adhesion to pipe and self
- Resistant to cathodic disbondment
- Resistant to acid, alkali and salts.

### 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.



# Densoclad 41HT Tape

## Property Specifications

PROPERTIES	ENGLISH	METRIC
<b>Thickness</b> (ASTM D1000)		
Backing	3.9 mils	100 $\mu$ m
Adhesive	35.5 mils	0.90 mm
Total	39.4 mils	1.00 mm
<b>Breaking Strength</b> (ASTM 1000)	5 N/mm	5 N/mm
<b>Tear Strength</b> (ASTM 1004)	24 N	24 N
<b>Modulus at 10% Elongation</b> (Warp)	2.4 N	2.4 N
<b>Tape Strength</b> (Warp)	4.5 N	4.5 N
<b>Elongation at Break</b>	300%	300%
<b>Adhesion Peel Strength</b> (ASTM D1000) 24 hrs		
To Primed Steel	580 psi	4.0 N/mm
To Self	580 psi	4.0 N/mm
<b>Impact Strength</b> (ASTM G-14)	2.95 ft lb	4 Nm
<b>Impact Resistance</b>	20 J	20 J
<b>Lap Shear Strength</b>	0.15 N/mm <sup>2</sup>	0.15 N/mm <sup>2</sup>
<b>Dielectric Strength</b>	18 Kv	18 Kv
<b>Maximum Service Temperature</b>	167°F	75°C
<b>Recommended Holiday Test Voltage</b>	15 Kv	15 Kv
<b>Insulation Resistance</b> (ASTM D527)	106 M $\Omega$	106 M $\Omega$

## 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	100 ft <sup>2</sup> /case (9.1 m <sup>2</sup> /case)	100 ft <sup>2</sup> /case (9.1 m <sup>2</sup> /case)
4" (100 mm)	50' (15 m)	8	100 ft <sup>2</sup> /case (9.1 m <sup>2</sup> /case)	67 ft <sup>2</sup> /case (6.0 m <sup>2</sup> /case)
6" (150 mm)	50' (15 m)	4	83 ft <sup>2</sup> /case (7.5 m <sup>2</sup> /case)	50 ft <sup>2</sup> /case (4.5 m <sup>2</sup> /case)



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