

DENSOCLAD 50 & 50HT TAPE

Durable PVC/Bitumen Pipeline Tape

Description

Densoclad 50 & 50 HT is a cold applied thick polymer bitumen adhesive, laminated to a tough plasticized PVC backing.

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" 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.



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Property Specifications

PROPERTIES	DENSOCCLAD 50		DENSOCCLAD 50HT	
	English	Metric	English	Metric
Thickness (ASTM D1000)				
Backing	15 mils	0.37 mm	15 mils	0.37 mm
Adhesive	35 mils	0.75 mm	35 mils	0.75 mm
Total	50 mils	1.12 mm	50 mils	1.12 mm
Weight	.27 lbs/ft ²	1.3 kg/m ²	.27 lbs/ft ²	1.3 kg/m ²
Breaking Strength (ASTM 1000)	34.2 lbf/in.	6 N/mm	34.2 lbf/in.	6 N/mm
Tear Strength (ASTM 1004)	4.5 lbf	20 N	4.5 lbf	20 N
Elongation @ Break	260%	260%	260%	260%
Adhesion Peel Strength (ASTM D1000)				
To Primed Steel	14.3 lbf/in.	2.5 N/mm	14.3 lbf/in.	2.5 N/mm
To Self	14.3 lbf/in.	2.5 N/mm	14.3 lbf/in.	2.5 N/mm
Impact Strength (ASTM G-14)	3.69 ft lb	5 Nm	3.69 ft lb	5 Nm
Dielectric Strength	20 kV	20 kV	20 kV	20 kV
Maximum Service Temperature	140°F	60°C	167°F	75°C
Recommended Holiday Test Voltage				
Single Layer	10 kV	10 kV	10 kV	10 kV
Double Layer	15 kV	15 kV	15 kV	15 kV
Roll Widths	2", 4", 6"	50, 100, 150 mm	2", 4", 6"	50, 100, 150 mm
Roll Length	40 ft	12 m	40 ft	12 m
Recommended Primer	Denso Primer D		Denso Primer D	

Quantity Estimates

Tape Width	Tape Length	Rolls/Case	Coverage with 1" Overlap	Coverage with 55% Overlap
2"	40'	12	36 ft ² /case	36 ft ² /case
4"	40'	8	80 ft ² /case	48 ft ² /case
6"	40'	4	67 ft ² /case	36 ft ² /case



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