

DENSOTHERM TAPE

Hot Applied Pipeline Tape

Description

Densotherm Tape is a hot applied bituminous tape and is suitable for use above or below ground. It is comprised of a non-woven synthetic fabric fully impregnated and coated with a flexible, high melting point bitumen compound. The tape is applied with the aid of a propane gas torch.

Uses

- Used to protect pipes, fittings, welds, and bends

Features

- Excellent adhesion to pipe and self
- Excellent resistance to cathodic disbonding
- Good impact resistance
- Good conformability
- Hot applied
- Compatible with common pipe coatings

Application

Remove dirt, grease, and oil in accordance with requirements of SSPC-SP-1, "Solvent" Cleaning. Remove weld spatter, sharp points, and edges. Remove loose rust, paint and foreign matter by hand and/or power tool cleaning in accordance with SSPC-SP-2, or SP-3, "Hand Tool Cleaning" respectively. Apply a thin film of Denso Primer D to all surfaces to be wrapped and allow to dry. Begin wrapping using a reverse spiral wrap, at the same time, apply a flame torch to the side of the tape that is in contact with the surface. The side of the tape with the backing shall be facing away from the pipe. Then, apply slight heat to form a glass-like texture to the outside (backing) of tape during wrapping and at the completion of wrapping. The backing will melt away which indicates the proper heat. A minimum 1" (25mm) overlap should be used. For severe environments, a 55% overlap is recommended.



TECHNICAL DATA SHEET

Packaging

Tape Width	Rolls*/ Case	Coverage with 1" (25 mm) Overlap	Coverage with 55% Overlap
in.	ea.	ea.	ea.
2" (50 mm)	12	45 ft ² /case (4 m ² /case)	45 ft ² /case (4 m ² /case)
4" (100 mm)	6	75 ft ² /case (7 m ² /case)	45 ft ² /case (4 m ² /case)
6" (150 mm)	4	82 ft ² /case (7.6 m ² /case)	45 ft ² /case (4 m ² /case)
12" (300 mm)	2	90 ft ² /case (8.4 m ² /case)	45 ft ² /case (4 m ² /case)

*All rolls are 50 feet (15 m) in length.

Tech Data

Properties	Imperial	Metric
Thickness (ASTM D1000)	79 mils	2.0 mm
Weight	.41 lbs/ft ²	2.0 kg/m ²
Breaking Strength (ASTM 1000)	51.4 lbf/in.	9 N/mm
Tear Strength (ASTM 1004)	11.2 lbf	50 N
Elongation @ Break	12%	12%
Adhesion Peel Strength (ASTM D1000)		
To Primed Steel	13.7 lbf/in.	2.4 N/mm
To Self	13.7 lbf/in.	2.4 N/mm
Impact Strength (ASTM G-14)	5.9 ft lb	8.0 Nm
Dielectric Strength	20 kV	20 kV
Maximum Service Temperature	122°F	50°C
Recommended Holiday Test Voltage		
Single Layer	10 kV	10 kV
Double Layer	14 kV	14 kV
Roll Widths	2" to 12"	50 to 300 mm
Roll Length	50 ft	15 m
Recommended Primer	Denso Primer D	



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