

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

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 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 side of 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 gloss-like texture to the outside (backing) of tape upon completion of wrapping. Do not overheat, it is not necessary to completely melt away the backing. A minimum 1" (25 mm) 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	176°F	80°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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