

# DENSOTHERM TAPE

## Hot Applied Pipeline Tape

### Description

Densotherm Tape is a hot applied bituminous tape. It is comprised of a non-woven synthetic fabric fully impregnated and coated with a flexible, high melting point bitumen compound.

### Uses

Densotherm is suitable for use above or below ground for protecting pipes, fittings, welds and bends. The tape is applied with the aid of a propane gas torch.

### 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. Then, apply heat to form a gloss-like texture to the outside of tape upon completion of wrapping. A minimum 1" overlap should be used. For severe environments, a 55% overlap is recommended.



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## Property Specifications

PROPERTIES	ENGLISH	METRIC
Thickness (ASTM D1000)	79 mils	2.0 mm
Weight	.41 lbs/ft <sup>2</sup>	2.0 kg/m <sup>2</sup>
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	15.24 m
Recommended Primer	Denso Primer D	

## Quantity Estimates

Tape Width	Rolls*/ Case	Coverage with 1" Overlap	Coverage with 50% Overlap
in.	ea.	ea.	ea.
2"	12	45 ft <sup>2</sup> /case	45 ft <sup>2</sup> /case
4"	6	75 ft <sup>2</sup> /case	45 ft <sup>2</sup> /case
6"	4	82 ft <sup>2</sup> /case	45 ft <sup>2</sup> /case
12"	2	90 ft <sup>2</sup> /case	45 ft <sup>2</sup> /case

\*All rolls are 50 feet in length.



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