

DENSOTHERM 35

Hot Applied Bituminous Tape

Description

A hot applied bituminous tape comprising of a non-woven synthetic fabric fully impregnated and coated with a flexible, high melting point bitumen compound. The tape is supplied with a "torch off" film on both sides to prevent blocking.

Uses

Corrosion protection of steel piping, fittings and welded joints.

Features

- Excellent adhesion to pipe and self
- Good impact resistance
- Good conformability
- Compatible with common pipe coatings
- Can be wrapped spirally or circumferentially
- Excellent resistance to mineral acids, alkali and salts
- Excellent resistance to cathodic disbonding

Application

Prepare steel to St2 (power brushed) / AS 1627 P.2 (minimum). Edges should be chamfered to remove step down. Abrade approximately 100 mm ban of any pre-existing factory coatings and solvent (toluene) degrease either side of the joint.

Priming: Denso Primer D can be applied to the prepared substrate at a rate of 9-11 m²/L and allowed to tack-dry (10 to 20 minutes).

Profiling: irregular surfaces such as valves, flanges, etc. may require the use of Denso Bitumen Mastic. Refer to the product sheets for these specific products for information on application and selection.

Wrapping: Remove release liner from one side of the Densotherm 35 Tape and apply it spirally with a 55% overlap to effectively provide a double layer of tape. Smooth down and mould tape by hand. Using a gas torch or heat gun, gently heat the tape encouraging it to weld to the surface underneath, while at the same time torching off the outside plastic liner. Allow the tape to cool before any backfill operations.

Wear heat resistant gloves and avoid skin contact with molten bitumen. In case of contact with hot bitumen, do not remove, but, cool with copious quantities of clean cold water and seek medical attention.



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Property Specifications

PROPERTIES	VALUE
Breaking Strength (ASTM 1000)	8 N/mm
Elongation at Break (ASTM D1000)	12%
Adhesion Peel Strength (ASTM D1000, 24 h @23°C)	
To Steel	6.0 N/mm
To Self	6.0 N/mm
Impact Strength - Single Layer (ASTM G14)	12 J
Dielectric Strength @ 55% Overlap (ASTM D1000)	≥ 20 kV
Application Temperature	15°C to 45°C
Service Temperature	-20°C to 70°C
Thickness (ASTM D1000)	3.5 mm
Core Size	76 mm internal diameter
Width	300 mm (or to order)
Length	10 m
Weight	3.5 kg/m ²
Recommended Primer	Denso Primer D
Colour	Black

SHELF-LIFE: 6 months

STORAGE: In original cartons and a cool, dry place.

Wrapped pipe should not be left exposed to direct sunlight for longer than 14 days.



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