

Technical Data Sheet

Denso Ultraflex 1500 Tape

Description:	A bitumen based adhesive corrosion protection tape. An integral component of the Denso Ultraflex System.
Composition:	<p>A heavy-duty PVC backing coated with a bitumen based adhesive compound.</p> <p>Includes a release liner (interleaving) which is removed prior to use, for ease of application and handling.</p>
Characteristics:	<ul style="list-style-type: none">• sticks and bonds rapidly and permanently to clean dry primed surfaces• fast and simple application by hand or machine• flexible, long lasting, self-sealing to minor substrate blemishes• secure lap sealing on edges and overlaps• specially designed high impact PVC backing ensuring rugged durability and a high degree of conformability and controlled elasticity• stable in composition over a wide temperature range• non-hardening or cracking• accommodates vibration and movement of substrate• highly resistant to mineral acids, alkalis and salts• will adhere and remain attached to petrolatum based tapes• highly resistant to cathodic disbondment• protruding interleaving prevents edge of roll dirt "pick-up" during site handling, minimising contamination risk and assuring coating integrity• contains no volatile components
Uses:	<ul style="list-style-type: none">• designed for the corrosion protection of pipelines, joints, culverts, welds, bends and fittings• used in conjunction with Denso Primer D and Bitumen Mastic Strip to contour and protect irregular surfaces and shapes
Surface Preparation:	Prepare steel to St2 (power brushed) / AS1627 P.2 (minimum) Edges should be chamfered to remove step down. Approximately a 100mm band of the pre-existing factory coatings should be abraded and solvent (toluene) degreased either side of a joint.

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Application:

Primer:

Denso Primer D should be applied to the prepared substrate at a rate of 9 - 11 m²/litre and allowed to tack dry (10 to 20 minutes), prior to the use of Bitumen Mastic Strip or Ultraflex 1500 Tape.

Profiling:

Denso Bitumen Mastic Strip should be applied to contour weld beads and step downs on shop coatings so that subsequent tape wrapping can conform smoothly to the substrate being protected. The mastic can be cut into smaller strips and moulded into crevices and cavities.

Wrapping:

Apply Ultraflex 1500 Tape with compound side to substrate, creating a 55% overlap of tape to effectively provide a double layer. Smooth down and mould tape by hand, especially at all overlapped edges.

Recommended Temperatures:

Application: +15 to + 50 °C

Service: - 20 to + 65 °C

Peak: + 70 °C

Storage:

Store in a cool, dry area away from direct heat and sunlight.

Dimensions:

DENSOHITBL050	50mm x 10m x 1.5mm Roll (20/Carton)
DENSOHITBL100	100mm x 10m x 1.5mm Roll (12/Carton)
DENSOHITBL150	150mm x 10m x 1.5mm Roll (8/Carton)

Physical Properties:

Test	Test Methods	Units	Value
Total Thickness	ASTM D1000	mm	1.50 ± 0.13
Total Weight	ASTM D751	kg/m ²	1.75 ± 0.13
Breaking Strength	ASTM D1000	N/mm	8.0
Elongation at Break	ASTM D1000	%	250
Adhesion	ASTM D1000	N/mm	
- to steel			≥ 3.0
- to self			≥ 3.0
Tear Resistance	ASTM D1004	N	25
Impact Strength		Joule	
- round tup	ASTM G14		7.0
- chisel tup	BGC/PS/CW2		3.5
Dielectric Strength	ASTM D149	kV	≥ 30
Insulation Resistance	BS 2782 (204A)	Ω	> 10 ¹²
Cathodic Disbondment	ASTM G8 (30 days)	mm ² Group	< 160 A