

## THE TECHNOLOGICAL BREAKTHROUGH FOR PIPELINE TAPES

### The Features:

- Ultraflex backing film
- Superbond polymer mastic adhesive
- Range of tape thickness
- Over width interleaving

### The Advantages:

- Durability, high conformability and controlled elasticity
- Assured aggressive bond to self, pipe and shop coatings
- Custom design possible when specifying
- No dirt 'pick up' during handling

### The Benefits:

- Ease of application by hand or by machine. The choice is yours.
- Keeps moisture and electrolyte away from substrate and resists soil stress
- Coating properties can be matched to coating operations
- Risk of soil contamination is minimised and coating integrity is assured

## Description

Denso Ultraflex pipeline tapes are the first pipeline tapes ever with an Ultraflex polymer backing film which combines the mechanical properties of P.E. and the conformability of PVC. This combined with a uniquely blended Superbond polymer mastic adhesive results in a product which offers the pipeline owner the assurance needed in selecting a pipeline coating with confidence to combat the threat of pipeline corrosion.

Picture Right: Yard wrapped pipes prior to despatch.



Site machine application...

## Application

1. Clean substrate to AS1627-2 class 2 standard.
2. Prime the cleaned substrate with Denso Primer D.
3. Contour irregular profiles with Denso Butyl Mastic Strip.
4. Wrapping:

Peel back interleaving for approximately 200mm, apply adhesive mastic face to primed substrate, apply tape in a spiral action incorporating a 55% overlap.

Apply sufficient tension to achieve conformability and intimate contact with the substrate.



... or hand application.

- Typical Applications:** Custom designed and formulated for use on buried and submarine line pipe, welds, bends and fittings
- Tenacious Adhesion:** Superbond polymer bitumen mastic layer provides self sealing joints at longitudinal and end of roll overlaps and is highly resistant to cathodic disbondment.
- Rugged and Conformable Controlled Elasticity:** Ultraflex polymer backing film provides impact resistance of P.E. film but has the flexibility of P.V.C. This ensures rugged durability and a remarkable degree of conformability and controlled elasticity
- Overwidth Interleaving:** Overwidth silicone coated interleaf prevents edge of roll dirt 'pick up' during site handling minimising risk of contamination and ensuring coating integrity.
- Cold Applied by Hand:** Fast and simple application every time by hand or machine. the choice is yours.
- Climatic Criteria:** For use in temperate and tropical regions.

### Systems Physical Data

Property	Test Method	Unit	Value
Thickness:	ASTM D1000	mm	1.5
Weight:	-	kg/m <sup>2</sup>	1.65
Modules at 10% elongation:	ASTM D1000	N/mm	N/A
Breaking strength:	ASTM D1000	N/mm	8
Elongation at break:	ASTM D1000	%	250
Tear strength:	ASTM D1004	N	25
Adhesion to steel (180° Peel)			
To steel:	ASTM D1000	N/mm	3.5
To self:	ASTM D1000	N/mm	3.5
Impact strength			
Round Tup:	ASTM G14	J	7
Chisel Tup:	BG/PS/CW2	J	3.5
Insulation resistance:	BS2782(204A)	Ω	>10 <sup>12</sup>
Breakdown voltage:	BG/PS/CW2	kV	>30
Cathodic disbonding resistance:	ASTM G8 Method A 30 Days	mm <sup>2</sup>	<200 (Group B)

All statements/data presented herein are given in good faith and believed to be appropriate and reliable. However, it is given without express or implied warranty or guarantee. Potential users of our materials are urged to conduct confirmatory trials to satisfy themselves as to the suitability of the selected product for their particular end use, prior to purchase.



Approved Quality Management System  
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