

# Technical Data Sheet

## Densopol 80HT Tape

- Description:** An extra heavy duty, reinforced, bitumen based adhesive corrosion protection tape designed for use in mainly tropical climatic conditions.
- Composition:** A synthetic fabric reinforcement coated with a bitumen based adhesive compound backed with an extra heavy-duty PVC. Includes a release liner (interleaving) which is removed prior to use, for ease of application and handling.
- Characteristics:**
- sticks and bonds rapidly and permanently to clean, dry and primed surfaces
  - fast and simple application by hand or machine
  - flexible, long-lasting and self-sealing to minor substrate blemishes
  - secure lap sealing on edges and overlaps
  - withstands hot asphalt pours on roadways and car parks
  - 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
  - contains no volatile components
- Uses:**
- designed for corrosion protection of pipelines, joints, welds, bends and fittings
  - used in conjunction with Denso Primer D and Bitumen Mastic Strip to contour and protect irregular surfaces and shapes
  - the mechanical protection of petrolatum systems in marine environments
- 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 m<sup>2</sup>/L and allowed to tack dry (10 to 20 minutes), prior to the use of Bitumen Mastic Strip or Densopol 80HT Tape.

#### Profiling:

Denso Bitumen Mastic Strip should be applied to contour weld beads and step down 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 Densopol 80HT 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 + 70 °C  
Peak: + 75 °C

### Storage:

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

### Dimensions:

DENSOPOL080050	50mm x 10m x 2.0mm Roll (24/Carton)
DENSOPOL080100	100mm x 10m x 2.0mm Roll (12/Carton)
DENSOPOL080150	150mm x 10m x 2.0mm Roll (8/Carton)

### Physical Properties:

Test	Test Methods	Units	Value
Total Thickness	ASTM D1000	mm	2.10 ± 0.25
Total Weight	ASTM D751	kg/m <sup>2</sup>	2.40 ± 0.27
Breaking Strength	ASTM D1000	N/mm	≥ 10.0
Elongation at Break	ASTM D1000	%	≥ 25
Adhesion	ASTM D1000	N/mm	
- to steel			10.0
- to self			5.5
Tear Resistance	ASTM D1004	N	≥ 60
Impact Strength		Joule	
- round cup	ASTM G14		10.0
- chisel cup	BGC/PS/CW2		5.5
Dielectric Strength	ASTM D149	kV	≥ 40
Limestone Drop Test	ASTM G13	Drops	> 40
Insulation Resistance	ASTM D257 BS 2782	Ω/cm <sup>2</sup> MΩ	10 <sup>12</sup> 10 <sup>6</sup>
Cathodic Disbondment	ASTM G8 (30 Days)	mm <sup>2</sup> Group	< 160 A