



**Product Specification**  
**Pipelines & Fittings**  
**DENSO S43 TAPE**

## DENSO S43 TAPE

- Description:** Denso S43 is an integral component of the Denso S/R System. Which comprises....  
Denso Butyl Primer  
Denso Butyl Mastic Strip  
Denso S43 Self Amalgamating Innerwrap  
Denso R23 Amalgamating Outerwrap  
The Denso S/R System is designed for line pipe, joints, welds, bends and fittings.
- Surface Preparation:** Steel – St2 / AS1627 P.2 (minimum)  
Yellow Jacket - Edges should be chamfered to remove step down. Approx 100mm band of yellow jacket should be abraded and solvent (xylene) degreased either side of joint.
- Primer:** Denso Butyl Primer should be applied to the prepared substrate at a rate of 5m<sup>2</sup> / ltr and allowed to tack dry.
- Profiling:** Denso Butyl Mastic Strip should be used to contour weld bends and step down on shop coating (where applicable).
- Innerwrap:** Denso S43 should be applied with the Denso Handwrapping Machine with a 55% overlap.
- Outerwrap:** Overwrapping - Where specified Denso R23 should be applied with the Denso Handwrapping Machine with a 25mm or 55% overlap (as specified)
- Recommended Temperatures:**  
Application Temperature: from -30° C to +60° C  
Continuous Temperature: from -30° C to +60° C  
Peak Temperature: up to +70° C



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**Properties:**

Test	Method	Value
Total Thickness	DIN 30672 (*)	≥ 0.750 mm
Adhesive Thickness	DIN 30672 (*)	ABt. 0.50 mm
Backing Thickness	DIN 30672 (*)	≥ 0.25 mm
Tensile Strength	DIN 30672 (*)	≥ 50 N / 10mm
Tear Resistance	DIN 53515	≥ 55 N / mm
Shear Resistance	DN 30672 (*)	≥ 6 N / cm <sup>2</sup>
Elongation at Break	DIN 30672 (*)	≥ 300 %
Adhesion to Primed Steel Speed 1 cm/min at 23° C	DIN 30672 ed 1979	≥ 15 N / 10mm
Speed 10 cm/min at 23° / 50° C	DIN 30672 (*)	≥ 30 / ≥ 4 N / 10mm
Adhesion S43 / S43	DIN 30672 (*)	≥ 20 N / 10mm
Adhesion R23 / S43	DIN 30672 (*)	≥ 25 N / 10mm
Adhesion with Primer To Mill Coatings	DIN 30672 (*) DIN 30672(*)	On PE ≥ 30 N / 10mm On BITUMEN ≥ 15 N / 10mm
Impact Resistance	DIN 30672 (*)	≥ 18 N x mm
Water Absorption	DIN 53495	≤ 0.1 %
Water Vapour Transmission	DIN 53122	< 0.2 g/m <sup>2</sup> x 24h
Resistance to hydrocarbons (**) Aromatics - Aliphatics - Resistance to acids and alkali -		Good Excellent  Excellent
Coating Resistance to Cathodic Disbonding	AS/NZS 4352:1995	Group A

(\*\*) Not in Permanent Solution  
(\*) Edition 1991

**Dimensions:**      Length      15 meters  
                                 Width      50mm, 100mm & 150mm