



Product Specification
Pipelines & Fittings
DENSO R23 TAPE

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- Description:** Denso R23 is an integral component of the Denso S/R System. Which comprises...?
Denso Butyl Primer
Denso Butyl Mastic Strip
Denso S43 Self Amalgamating Inner wrap
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 5m² / 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

Properties:

Test	Method	Value
Total Thickness	DIN 30672/I	≥ 0.500 mm
Adhesive Thickness	DIN 30672/I	Abt. 0200 mm
Backing Thickness	DIN 30672/I	≥ 0300 mm



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Tensile Strength	DIN 30672/I	≥ 50 N / 10 mm
Tear Resistance	DIN 53515	≥ 55 N / 10 mm
Elongation at Break	DIN 30672/I	≥ 400 %
Modulus at 10% elongation	DIN 30672/I	≥ 35 N / 10mm
Adhesion R23 / R23	DIN 30672/I	≥ 8 N / 10mm
Adhesion R23 / S43	DIN 30672/I	≥ 20 N / 10mm
Dielectric Strength	DIN 53481	≥ 25 KV/mm
Water Absorption	DIN 53122	≤ 0.1 %
Water Vapour Transmission	DIN 53496	< 0.2 g/m ² x 24h
Resistance to hydrocarbons (**) Aromatics - Aliphatics - Resistance to acids and alkali -		Good Excellent Excellent

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

Dimensions: Length 30 meters
 Width 50mm, 100mm & 150mm