

Technical Data Sheet

Denso BUTYL 35™ TAPE

Description	Denso Butyl 35 Tape is a polyethylene backed tape with a butyl rubber adhesive. It is compatible with coal tar, fusion bond epoxy, asphalt and polyethylene pipeline coatings.
Uses	<ul style="list-style-type: none">• Above and below ground piping• Specialty piping• Field weld joints• Fittings & Tees
Features	<ul style="list-style-type: none">• Excellent adhesion to pipe and self• Resistant to UV• Good conformability and consistent uniform thickness• Easily applied with no special equipment• Compatible with common pipe coatings• Excellent resistance to cathodic disbonding• Meets AWWA C209 Standard• Cold applied with high tack adhesive• Strong bond with excellent sealing properties
Surface Prep	Prepare surfaces by removing all loose scale, rust or other foreign matter in accordance to SSPC-SP2 (Hand Tool Cleaning), SSPC-SP3 (Power Tool Cleaning) or SSPC-SP6 (Commercial blast). Surface must be clean, dry and free of grease.
Application	If required apply primer to surface prior to applying tape and allow to dry. The minimum roll temperature for application shall be 60°F (18°C). Peel back interleaving and apply adhesive side of the tape to the surface and press down. Apply the tape spirally with enough tension to make it conform. Remove interleaving as wrapping proceeds. Overlap each turn by at least 1" (25 mm) or 55% to achieve double thickness. Irregular surfaces such as valves, flanges, etc. may require the use of Densyl™ Mastic or Denso Profiling Mastic™. Refer to the product data sheets for these specific products for information on application and selection.
Product Conditions	The minimum roll temperature for application shall be 60°F (16°C).
Storage	Denso Butyl shall be stored in a dry and ventilated location. The storage temperature shall be a minimum of 35°F (1.7°C) and a maximum of 110°F (44°C).

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Packaging

Tape Width (in.)	Rolls/Case (ea.)	Coverage with 1" (25 mm) Overlap (ea.)	Coverage with 50% Overlap (ea.)
2" (50 mm)	24	100 ft ² /case (9.3 m ² /case)	100 ft ² /case (9.3 m ² /case)
4" (100 mm)	12	150 ft ² /case (14 m ² /case)	100 ft ² /case (9.3 m ² /case)
6" (150 mm)	8	167 ft ² /case (15.5 m ² /case)	100 ft ² /case (9.3 m ² /case)

All rolls are 50 feet (15 m) in length. Other roll widths are available on request.

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PROPERTIES	ENGLISH	METRIC
Tensile Strength	23 lb/in width	10.43 kg/m width
Elongation at Break (ASTM D1000)	250%	250%
Dielectric Strength (ASTM D1000)	20 kV	20 kV
Water Vapor Transmission (ASTM E398)	< 0.2 g/100 in ² /24 hour	< 0.2 g/645 cm ² /24 hour
Resistance to Hydrocarbons	Good	Good
Resistance to Acids, Alkalis and Salts	Excellent	Excellent
Temperature Range		
<i>For Application</i>	35°F to 110°F	1.7°C to 44°C
<i>For Continuous Service</i>	0°F to 160°F	-18°C to 60°C
Recommended Holiday Test Voltage		
<i>Single Layer</i>	10 kV	10 kV
<i>Double Layer</i>	15 kV	15 kV
Dimensions		
<i>Roll Length</i>	50 feet	15 m
<i>Roll Width</i>	2", 4", 6"	50 mm, 100 mm & 150 mm
Thickness (ASTM D1000)		
<i>Backing</i>	2 mil	51 microns
<i>Adhesive</i>	33 mil	838 microns
<i>Total</i>	35 mil	889 microns
Colour		
<i>Backing</i>	Black	
<i>Adhesive</i>	Gray	