Denso Glass Outerwrap LH

Protective Fibreglass Outerwrap

Composition

Denso Glass Outerwrap LH is a composite fibreglass cloth wrap impregnated with a water activated resin, containing <0.1% diisocyanate.

Uses

Denso Glass Outerwrap LH offers excellent performance against abrasion, gouge, and impact to protect Denso anti-corrosion coating systems during and after installation. It is used as a protective outerwrap in applications involving soil-to-air, underwater, underground and aboveground pipes and piles. It is also used for a variety of other applications where additional mechanical protection is required.

Characteristics

Denso Glass Outerwrap LH:

- prevents damage to anti-corrosion coatings,
- resists water, acids, and solvents,
- resists hot and cold temperatures,
- has excellent abrasion, gouge and impact resistance,
- can be applied to dry, underwater or wet surfaces,
- contains no solvents,
- requires minimal surface preparation,
- is easy to apply with no mixing or messy clean up,
- is ready for immediate service,
- can be top-coated for aesthetics,
- provides a quick, long term protective coating, and
- contains <0.1% diisocyanate, making it the safest product for end-users with no long term respiratory health effects. This low diisocyanate content means it is not covered by the REACH 2023 legislation governing the safe use of diisocyanates. No mandatory safety training is required before use.

Surface preparation

Surfaces must be clean and dry. Remove all loose, rust, scale and flaking coatings or other foreign matter by scraping, wire brushing, high pressure water washing or blast cleaning.

Application

See *Instructions for Use* for additional detail. Ensure your chosen Denso petrolatum tape or Viscotaq system is correctly installed following product specific data sheet. For irregular surfaces such as valves, flanges, etc., may require the use of Densyl Mastic, Denso Profiling Mastic or ViscoMastic prior to product application to transition diameter variations. Refer to the product data sheets for these specific products for information on application and selection.

For application of the Denso Glass Outerwrap LH, use rubber gloves to remove the product from the hermetically sealed foiled pouch and soak in temperate water (salt or fresh) for 20 to 30 seconds. Remove from water and begin wrapping tightly, overlapping a recommended minimum 50%.

Proceed with a final temporary double layer of Denso Poly-Wrap which shall be immediately applied over and in the same direction as the uncured Denso Glass Outerwrap LH. This allows all seams of the Denso Glass Outerwrap LH to lay out more smoothly and provides a tighter cured seal. The Denso Poly-Wrap should be removed after approximately 15 to 30 minutes depending on temperature.

Availability

Tape width	Roll length	Rolls/ carton
75 mm	3.6 m	12
100 mm	5.0 m	8
150 mm	10 m	5
200 mm	20 m	1

Additional sizes may be available on request.

Important: Winn & Coales (Denso) Ltd pursue a policy to develop and continually improve all of our products and therefore the information given in this data sheet is intended as a general guide and does not constitute a warranty of specification. However, our sales personnel are committed to assist the user in establishing the suitability of the product for its intended purpose and additional specific information is available on request. Winn & Coales (Denso) Ltd operate a Quality Management System registered to BS EN ISO 9001 (BSI Certificate no. FM01548) and an Environmental Management System registered to BS EN 14001 (BSI Certificate 583748).

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Cleaning
Remove any resin immediately from any contaminated surface using a clean dry cloth. If a solvent is required, use xylene or dibasic ester or comparable solvent containing essentially no water.

Storage
Shelf life is 24 months when stored unopened in original packaging at 5°C to 25°C. Do not store in direct sunlight.

Waste material
Please make sure any unused product and any resin remaining in the foil pouch is fully cured before discarding as waste. Please avoid or minimise waste wherever possible. Please do not discard waste material, including packaging, in the surrounding environment. Follow all relevant legislation for disposal.

Typical Properties

Thickness	0.41 mm	
Tensile Strength	250 MPa	ISO 527-2
Tabor Abrasion *Wear index*	70 mg/1000 cycles	ASTM D4060
Lap Shear Strength	7 MPa	ISO 527-2
Impact Resistance (two layers)	59 J	ASTM G14
Shore D Hardness	75	
Maximum service temperature	120°C	
Work Time	2 - 5 mins (depending on temperature)	
Full Cure Time	24 hours	

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