Denso Glass Outerwrap UV

UV Protective Fibreglass Outerwrap

Composition
Denso Glass Outerwrap UV is a fibreglass-cloth wrap impregnated with a water activated aliphatic polyurethan resin.

Uses
Denso Glass Outerwrap UV offers excellent protection against abrasion, gouge and impact for Denso anti-corrosion petrolatum tapes and Viscotaq products during and after installation in many construction applications. It is used as a protective outerwrap in applications involving soil-to-air, for above and below water piles and underground and aboveground pipes. Denso Glass Outerwrap UV is also used for a variety of other applications where additional mechanical and UV protection is required.

Characteristics
Denso Glass Outerwrap UV:

- provides UV resistance,
- prevents damage to anti-corrosion coatings,
- provides rapid application and curing time,
- is easy to apply with no mixing or messy cleanup,
- can be applied to dry, underwater or wet surfaces,
- has excellent abrasion, gouge and impact resistance,
- resistant to water, acids, salts and soil organics,
- contains no solvents,
- provides a quick, long term protective coating,
- is ready for immediate service,
- can be top-coated for aesthetics, and
- is a CSA Z245.30 component.

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 UV, use rubber gloves to remove the product from the hermetically sealed foiled pouch. Soak it in temperate water (salt or fresh) for 20 to 30 seconds. Remove from water and begin wrapping tightly on the substrate, overlapping with a recommended minimum 50%. Spray each layer with water as it is applied to expedite cure time. Then immediately begin wrapping, with tension, the Denso Clear Outerwrap in the same direction as the layers of the Denso Glass Outerwrap UV was applied. This allows all seams of the product to lay out more smoothly and provides a tighter cured seal.

Once compressed, if needed use the Denso Perforating Tool or equivalent to puncture the Denso Clear Outerwrap. This will allow for excess resin, moisture and CO_2 to escape during the reaction to assist in the curing of the Denso Glass Outerwrap UV. The Denso Clear Outerwrap should be removed after approximately 1 to 2 hours, depending on temperature.

For underwater applications, please refer to the SeaShield Series 70 Application Specification.

Availability

Tape width	Roll length	Rolls/ carton	Approx. coverage with 50% overlap
75 mm	2.7 m	100	10.7 m^2/case
100 mm	9.0 m	40	18.4 m^2/case
200 mm	12.0 m	15	18.4 m^2/case

Other 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 minimum 6 months when stored in original packaging at 5°C to 32°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 apply the waste hierarchy to 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	0.28 mm	
Flexural Strength	180 MPa	ASTM D790
Tensile Strength		ASTM D3039
Strength	228 MPa	
Modulus	16.5 GPa	
Strain	1.43%	
Tabor Abrasion		ASTM D4060-14
Wear index	57.1 mg/1000 cycles	
Thickness loss (after 1000 cycles)	75 microns	
Initial thickness avg.	0.86 mm	
Compression Strength	202 MPa	ASTM D695-15
Lap Shear Strength	12.1 MPa	ASTM D5868-01R14
Dielectric Strength	6300 V/mm	ASTM D149-09 (2013)
Impact Resistance	135 J	NACE SP 0394
Maximum service temperature	121°C	
Setting time		
@ 21°C	2.5 hours	
@ 32°C	1 hour	

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