

DENSO GLASS OUTERWRAP UV™

UV Protective Fiberglass Outerwrap

Description

Denso Glass Outerwrap UV is a fiberglass cloth impregnated with a water-activated, aliphatic, polyurethane resin that is used as a protective outer wrap over Denso Petrolatum Tapes. This protective coating offers exceptional mechanical and impact strength and the aliphatic polyurethane provides UV stability.

Uses

- Underwater pipes and piles
- Underground pipes and piles
- Aboveground pipes and piles

Features

- Resists cold and hot temperatures
- Easy to apply, no mixing or messy clean up
- Resistant to water, acid, salts, or soil organics
- Can be applied underwater or to wet surfaces
- Minimal surface preparation required
- Quick, long-term protective coating, ready for immediate service
- Contains no solvents
- Can be top coated for aesthetics
- UV Resistant

Surface Prep

Prepare surfaces by removing all loose scale, rust or other foreign matter in accordance to SSPC SP2 "Hand Tool Cleaning" or SP3 "Power Tool Cleaning". High pressure water wash of 3,000 - 7,000 psi (20.68 - 48.26 MPa) is also suitable.

Application

Spirally wrap a layer of Denso Petrolatum Tape with a minimum 1" (25 mm) overlap. For severely corrosive environments, a 55% overlap is recommended. While wrapping, press air pockets out and smooth all lap seams. Using rubber gloves, remove the Denso Glass Outerwrap UV from the hermetically sealed foil pouch and soak in temperate water (salt or fresh) for 20 to 30 seconds. Remove from water and begin wrapping product tightly on substrate, overlapping a recommended 50%.



TECHNICAL DATA SHEET

Irregular surfaces such as valves, flanges, etc. may require the use of Densyl Mastic or Denso Profiling Mastic prior to product application to transition diameter variations. Refer to the product sheets for these specific products for information on application and selection.

A final temporary double layer of compression film shall be immediately applied over the uncured Glass Outerwrap UV. This allows all seams of the Glass Outerwrap to lay out more smoothly and provides a tighter cured seal. The compression film should be removed after approx. 1 to 2 hours depending on temperature.

Storage

6 months when stored in original packaging @ 41°F (5°C) to 90°F (32°C). Do not store in direct sunlight.

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.

Health & Safety

Refer to SDS before use. Always refer to project specifications as they may supersede Denso specifications.

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TECHNICAL DATA

PROPERTIES	ENGLISH	METRIC
Thickness	11 mils avg.	0.28 mm
Flexural Strength (ASTM D790-71)	16,100 psi	111 N/mm ²
Tensile Strength (ASTM D638)	24,900 psi	172 N/mm ²
Compression Strength (ASTM D695-77)	26,600 psi	183 N/mm ²
Dielectric Strength	16,060 volts	16,060 volts
Maximum Service Temperature	250°F	121°C
Setting Time		
@ 50°F (10°C)	16 hours	16 hours
@ 70°F (21°C)	8 hours	8 hours
@ 90°F (32°C)	4 hour	4 hour
Colour	Grey, Black or Brown	
Product Sizes	100 mm x 9 m 200 mm x 10 m	



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