

DENSO GLASS OUTERWRAP

Protective Fiberglass Outerwrap

Description

Denso Glass Outerwrap is a fiberglass cloth impregnated with a water activated resin that is used as a protective outer wrap over Denso Tape. It is a protective coating which offers exceptional mechanical and impact strength for underwater, underground and above ground pipe.

Uses

- Repairs and reinforcement for water, steam, sewage, air and fuel pipes
- Structural repairs and the sealing of joints and ducts
- Corrosion protection, sealing, waterproofing (including immersed substrates)
- Electrical insulation and dielectric protection

Features

- Highly resistant to chemical attack
- Resists cold and hot temperatures
- Easy to apply, no mixing or messy clean up
- Resistant to water, acids, 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
- Compatible with many substrates including steel, copper, PVC, fiberglass, clay, concrete, rubber, and more
- Contains no solvents
- Paintable
- Pressure once cured: 2.07 MPa maximum

Application

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 20 - 48 MPa is also suitable. Spirally wrap a layer of Denso Tape at a 55% overlap. While wrapping, press air pockets out and smooth all lap seams.

Using rubber gloves, remove the Denso Glass Outerwrap from the hermetically sealed foil pouch and soak in temperate water (salt or fresh) for 20 to 30 seconds. Remove and begin wrapping tightly, overlapping at a recommended 55%.

Irregular surfaces such as valves, flanges, etc. may require the use of Denso Mastic or Denso Profiling Mastic. Refer to the individual product data sheets for information on specific products and application.



Denso Glass Outerwrap

Property Specifications

PROPERTIES	VALUE
Colour	White
Flexural Strength (ASTM D790)	180 MPa
Tensile Strength (ASTM D638)	248 MPa
Lap Shear Strength (ASTM D5379)	6.2 MPa
Dielectric Strength (ASTM D149)	16 kV
Impact Resistance (ASTM G14/G62)	167 J
Chemical Resistance (ASTM D543, 2 Months at 23°C)	
Sulfuric Acid, 10%	No Change
Sulfuric Acid, 50%	No Change
Hydrochloric Acid, 10%	No Change
Hydrochloric Acid, 50%	No Change
Sodium Hydroxide Solution, 20%	No Change
Gasoline	No Change
Toluene	No Change
Xylene	No Change
Mineral Spirits	No Change
Nitric Acid, 50%	Blistering
Distilled Water	No Change
Product sizes	50 mm x 3 m
	75 mm x 3 m
	100 mm x 3 m
	100 mm x 4.5 m
	100 mm x 10 m
	200 mm x 10 m
Application Temperature	0°C to 65°C
Service Temperature	-45°C to 121°C

Average Temperature	Approx. Working Time	Return to Service Time
35°C	3 min	23 min
21°C	8 min	28 min
16°C	10 min	85 min (1 h. 25 min)
10°C	14 min	162 min (2 h. 42 min)
6°C	17 min	182 min (3 h. 2 min)
2°C	20 min	381 min (6 h. 21 min)

SHELF-LIFE: ≥24 months

STORAGE: In original cartons and in a cool, dry place away from direct sunlight.



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