

# DENSO GLASS OUTERWRAP 70

## Protective Fiberglass Outerwrap for Marine Applications

### Description

Denso Glass Outerwrap 70 is a fiberglass cloth impregnated with a water activated resin that is used as a protective outer wrap over Denso Marine Piling Tape. It is a protective coating which offers exceptional mechanical and impact strength for underwater, underground, and above ground pipe and piles.

### Uses

- Corrosion protection, sealing, waterproofing (including immersed substrates)
- Mechanical protection and reinforcement for Denso marine tapes on timber jetty piles
- Underwater repairs, joint and tee repairs
- Electrical insulation and dielectric protection

### Features

- Highly resistance to chemical attack
- Accommodates vibration or extreme movement
- 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
- Can be top coated for aesthetics and UV protection
- Pressure once cured: 2.07 MPa maximum

### Application

Remove all dirt, loose paint, spalling concrete, rotted wood, marine growth and other contaminants by abrasive blasting or high pressure water blasting. Hand or power tool cleaning methods may be used, but are of limited use and are time consuming. Spirally wrap a layer of Denso Marine Piling Tape at a 55% overlap. While wrapping, press air pockets out and smooth all lap seams.

Using rubber gloves, remove the Denso Glass Outerwrap 70 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%.

Compression film (cling wrap) must be used to protect the tape surface until it is completely cured. Thereafter, the compression film can be removed and discarded.

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 70

## Property Specifications

<b>PROPERTIES</b>	<b>VALUE</b>
Colour	Brown
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
Product sizes	203 mm x 12.2 m
Application Temperature	0°C to 65°C
Service Temperature	-45°C to 121°C

<b>Average Temperature</b>	<b>Approx. Working Time</b>	<b>Return to Service Time</b>
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)

**Chemical Resistance** (ASTM D543, test period 2 months at 23°C)

<b>Chemical</b>	<b>Result</b>
Sulfuric acid, 50%	No Effect
Hydrochloric acid, 50%	No Effect
Sodium hydroxide, 20%	No Effect
Gasoline	No Effect
Toluene	No Effect
Xylene	No Effect
Mineral spirits	No Effect
Distilled water	No Effect

SHELF-LIFE:  $\geq$  24 months

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



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