

GUARDIAN HD-GW (Glasswrap) is a resin pre-impregnated fiberglass instant pipe repair, protection, reinforcement, corrosion protection and maintenance system that will set even under water.

GUARDIAN HD-GW (Glasswrap) is a water activated and curable polyurethane pre-impregnated fiberglass tape. Normal setting time is 10-30 minutes but may vary depending on temperature. Water, salt or fresh is the activator!! This revolutionary product will set under water making it ideal for applications in the splash zone, corrosion protection reinforcement, piling protection and electrical insulation to 16,000 volts. It will retain pressure on supply lines and will function under intermittent temperatures from -45°C to +319°C.

PROPERTIES

Property	Test Method	Value
Tensile Strength	ASTM D638	300 kg/cm ²
Flexural Strength	ASTM D790	175 kg/cm ²
Compression Strength	ASTM D695	19.2 kgf/mm ²
Thermal Expansion Coefficient	ASTM E831	8.0 µm/m.°C
Dielectric Strength	ASTM D149	16 Kv.
Durometer Hardness(Type D)	ASTM D2240	83
Flashing Point		Over 700 °C and above
Heat Resistance		319 °C
Service Temperature		-45 °C to 250 °C
Application Temperature		0 °C to 35 °C
VOC Content		0%

PACKAGING

Part No.	Weight	Color	Carton Qty
FGCS0103	50mm x 5m	Black	10 Rolls
FGCS0104	100mm x 5m	Black	10 Rolls
FGCS0105	150mm x 5m	Black	10 Rolls
FGCS0109	50mm x 5m	White	10 Rolls
FGCS0110	100mm x 5m	White	10 Rolls
FGCS0111	150mm x 5m	White	10 Rolls
FGCS0112	150mm x 10m	Grey	10 Rolls
FGCS0113	200mm x 10m	Grey	6 Rolls

ADVANTAGES

Maximum heat resistance: 606°F (319°C).
It is ideal for all types of repair and maintenance applications. Odourless, non-combustible and non-toxic It can be sanded and painted if desired. Once set, gas, oil or diesel fuel will not affect the repair material.

Shelf Life

3 years and more if stored in cool and shaded area at room temperature.

Feature

1. Can be used both in salt or fresh water.
2. Cures whilst underwater
3. Non-toxic, Non-combustible and Odourless.
4. Repair leaking cracked or broken pipe of petroleum, oil, gasoline and organic solvent.
5. Can be applied to acid and alkali.
6. Can be used in all sorts of metal, plastics, wood, rubber, PVC and glass.
7. Lessen a stop hour of industrial equipment.
8. Normally, can be used up to internal pressure of 1,740 psi (120 bar / 122 kgf/cm²) after set. Under pressure conditions (while the pipeline is still flowing), the pressure of the pipe should be less than 60 psi (4.1 bar / 4.21 kgf/cm²) before setting. But each additional wrap of rubber and fiberglass tapes provide more pressure on the leak.

OTHER APPLICATIONS

Overwrap: Guardian Petrolatum and Guardian Splash-zone 60GW System, when applied above ground or where greater mechanical protection is required.

All statements and data presented herein are given in good faith and believed to be appropriate and reliable. It is given without express or implied warrant or guarantee. Potential users of Guardian's materials are urged to conduct confirmatory trials to satisfy themselves as to the suitability of the selected product for their particular end use prior to purchase.