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The Engineer's Choice

... for Solutions

UPS 19007/9/11 Glass Tape is a high performance unique braided Glass Fibre Tape that, when used in conjunction with the UPS 19000 RH offers the ultimate in both Leak Sealing and Pipe Protection.

Applications

Ranging from the sealing of leaks on any size pipe to the protection of lagging to prevent under lagging corrosion that can lead to hidden pipe defects that can leak at any moment to the wrapping of pipes that are old and damaged and can lead to extending their operating life by many years.

Other uses of the *Unique* system is the protection of off shore facilities that suffer from corrosion – erosion and salt water damage through either constant immersion or periodic immersion coupled with the aggressive nature of wave power.

Before proceeding please read the following information carefully to ensure that the correct proper application procedure is fully understood.

Tape Specifications

- Glass tape is made to DIN 61854
- Material of WARP and WEFT is woven from poly-glass yarn to EC 9-34 tex PPG 1383 / Vetrotex TD22, which will blend with the Resin and Hardener to provide extreme strength and physical properties.
- This glass tape has better rating against ageing from contact with high UV exposure compare with other tapes.
- The tape supplied is woven to a WARP of 20 yards/cm and WEFT 10 x 2 yarns/cm.
- WEFT > 300 N/cm $\pm 20\%$
- Yarn Number Capture; 1 yarn.at.edge, polyester 76 dtex
- Surface Weight; approx. 140 gm/m² ($\pm 5\%$)
- Thickness; Approx 0.12mm (± 0.02 mm)
- Weave Pattern; 1/1 plain weave
- Weave Tolerance; ± 1 mm
- Tensile Strength; Wrap >200 N/cm ($\pm 20\%$)

Physical Constraints

Theoretical Coverage Rate	
UPS 19007	1.25m ² / Roll with 50% overlap
UPS 19009	2.5m ² / Roll with 50% overlap
UPS 19011	3.75m ² / Roll with 50% overlap

Maximum Operating Temperatures	
Dry Heat	100°C (212°F)
Sealer Filler Resin Mix	180°C (356°F)
In Conjunction with Glass Tape	170°C (338°F)

Operating Pressures	
Low Pressure Repair	35kg/cm ² (500 psi)
High Pressure Repair	112kg/cm ² (1600 psi)
See application manual for full details	

Physical Properties

Compressive Strength ASTM D 695	1019kg/cm ² (145000 psi)
Flexural Strength ASTM D 790	956kg/cm ² (13600 psi)
Tensile Strength ASTM D 4060	633kg/cm ² (900 psi)

Corrosion Resistance – Excellent even under sea water immersion conditions

Chemical Resistance – Unaffected by short term contact with industrial chemicals.

Full chemical resistance chart available on request.

Packaging

UPS 19007/9/11 GT Glass Tape is supplied in the following;

UPS 19007 – 50mm X 50m

UPS 19009 – 100mm X 50m

UPS 190011 – 150mm X 50m

Health And Safety

As long as normal good practice is observed UPS 19007/9/11 GT can be safely used. Protective gloves should be worn during use.

A fully detailed Material Safety Data Sheet is either included with the material or is available on request.

The information provided in this Technical Data Sheet is intended as a general guide only and should not be used for specification purposes. The information is given in good faith but we assume no responsibility for the use made of the product or this information because this is outside the control of Unique Polymer Systems LTD. Users should determine the suitability of the product for their own particular purposes by their own tests.

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