



STRUCT GUARD- GLASS (UD 900)

(High strength glass fibre sheet)

DESCRIPTION:

STRUCT GUARD – GLASS is a high strength glass laminate used for structural strengthening applicable with STRUCT GUARD- PRIMER and STRUCT GUARD-SATURANT.

AREAS OF APPLICATION:

- Beams
- Chimneys
- Columns
- Flat slabs and walls
- Structural connection

ADVANTAGES:

- Enhanced load carrying capacity Increases service life and durability
- Reducing the need of further maintenance and repair work.
- Glass fibre wrapping provides significant strength and protects against further corrosion and erosion.

PRODUCT SPECIFICATIONS:

Sr. No	Specifications	Product Details
1	Material	e- glass fibre
2	Warp	White glass fibres 98 %
3	Weft	white thermoplastic heat set fibres 2%
4	Specific gravity	2.56 gm/cm ³
5	Thickness	0.43 mm
6	Fabric Type	Unidirectional
7	Density	900 GSM (gm/sq.mtr)
8	Length (mtr)	100 mtr
9	Width (mm)	500 mm



**TECHNICAL DATA:**

Typical Dry fibre properties	ASTM D 3039
Tensile strength	2500 N/mm ²
Youngs modulus of elasticity	77 000 N/mm ²
% Elongation	2.5 %
Typical fibre properties in composites	
Tensile strength	1600 N/mm ²
Tensile modulus	65 000 N/mm ²

STORAGE CONDITION:

Store in original undamaged, sealed packaging in dry condition protect from sunlight

SAFETY PRECAUTIONS:

Wear gloves, goggles, and mask to avoid skin and eye contact. Work in well-ventilated areas to prevent inhalation of fumes. Avoid ingesting epoxy or hardener, and wash hands thoroughly after use. In case of skin contact, wash with soap and water, and seek medical attention if irritation persists.


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