

STRUCT GUARD- CARBON
(Unidirectional Carbon Fiber Sheet) UD-430

Description:

STRUCT GUARD – CARBON is a carbon fiber used for structural strengthening of beam, column applicable with STRUCT GUARD- PRIMER and STRUCT GUARD- SATURANT.

Technical Data:

Typical Dry Fiber Properties:	
Property	Typical Test Value
Tensile Strength	Min. 4500 MPa
Tensile Modulus	240 Gpa
Ultimate Elongation %	2.3 %
Density	400 gm/m ²

Product Composition:

Fabric Type	UD 430
Carbon in 0 deg (GSM)	430
Dry Thickness (mm)	0.40
Roll Width (mm)	500-1000
Roll Length (m)	50-100

Typical Fabric properties in a composite:

Description	Test Method	Value
Tensile Strength	ASTM D 3039	1600 Mpa
Tensile Modulus	ASTM D 3039	160 GPa

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Application:

- Beams
- Chimneys
- Columns
- Slabs
- Structural connections
- Tanks
- Flat slabs and walls can also be strengthened by wrapping with carbon fibre additional

Advantages:

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

Storage :

Store in undamaged, original sealed packaging, in dry conditions.

Safety Precautions:

Avoid contact with the eyes and skin. In case of direct contact and irritation, the skin should be washed off immediately with soap and warm water.

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