

**STRUCT GUARD- CARBON**  
(Unidirectional Carbon Fiber Sheet) UD-230

**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. 4000 MPa
Tensile Modulus	230 Gpa
Ultimate Elongation %	2.2 %
Density	200 gm/m <sup>2</sup>

**Product Composition:**

Fabric Type	UD 230
Carbon in 0 deg (GSM)	230
Dry Thickness (mm)	0.30
Roll Width (mm)	500
Roll Length (m)	50-100

**Typical Fabric properties in a composite:**

Description	Test Method	Value
Tensile Strength	ASTM D 3039	1500 Mpa
Tensile Modulus	ASTM D 3039	200 GPa

**Constro Chem India Pvt Ltd**

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## (Unidirectional Carbon Fiber Sheet) UD-330

### 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 and Shelf life:

12 months from manufacture in original unopened if stored in dry and cool place.

### 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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