

1. Structural Strengthening – Fiber System

Description:

Wrapping is a method of confining RCC elements such as beams or columns using high strength FRP (carbon/glass) fibers to increase load carrying capacity of existing RCC members for additional designed loads.



Fosroc's Constructive Solution :

Nitowrap CW – Carbon Fibre Fabric & Nitowrap GW– Glass Fibre Fabric

High performance high strength, carbon and glass fiber system for structural strengthening for strengthening columns, beams and slabs of load bearing structures

Uses & Advantages

- Very high strength to thickness or weight ratio – Appreciable increase in strength and load carrying capacity without significant increase in dead load
- Enhanced stiffness, shear & tensile capacities – Increased load carrying capacity and better resistance to seismic forces and deflection.
- Chemical resistant – Excellent resistance to acids and alkalis
- Flexible- Can be applied on any shape or contour of substrate Thin sections - Can be effectively used in space-constrained areas.
- Creep & Fatigue resistance - Ideal for conditions of sustained loading and repeated loading.
- Economical- Easy to install, time & labour saving

Packaging: Available in variants ranging from 200GSM to 920GSM and supplied in 50 or 100m rolls (kindly refer datasheet)