

## 1. Structural Strengthening – CFRP Laminates

Description:

FRP laminates are high strength carbon fiber laminates which are externally bonded to existing RCC members such as slabs, in order to increase load carrying capacity, flexural strength, etc as per designed additional loads.



### Fosroc's Constructive Solution :

**Nitoplate CP** - High performance, high strength, corrosion resistant pultruded Carbon fibre plates

Used & 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 & torsional capacities - Increased load carrying capacity and better resistance to seismic forces and deflection.
- Chemical resistant - excellent resistance to acids and alkalis
- Available in a range of cross sectional areas - allows for cost optimized design
- Thin sections - Can be effectively used in space constrained areas
- Primer not required - reduced downtime
- Economical - Easy to install, time & labour saving

Packaging: Available in 1.2 & 1.4mm thickness and 100 or 200m rolls (kindly refer datasheet)