

Carbocomb Laminate

Ready to Use Carbon Fiber Laminate

Description	It is a ready to use; pultruded carbon fiber laminates which provide a high tensile strength and are excellent for supplemental flexural and shear reinforcement of concrete, timber and masonry they are externally bonded using Epoxy Adhesive CFL
Where to use	• Walls, beams and slabs • Repairs due design or construction defects • Seismically or corrosion –damaged structures
Advantages	• Increase the load bearing capacity • Increase in structure fatigue strength • Limit and assist in crack control • Reduce deflection due to working loads • Less and faster maintenance
Properties	
Thickness	1.2 - 1.4 mm
Width	50 - 150 mm
Density	1.6 g/cm ³
Modulus of elasticity	165 - 210 GPa
Ultimate Tensile strength	2800 – 3000 N/mm ²
Elongation	1.2 - 1.7 %
Packaging	100 m Rolls
Shelf life & Storage	Unlimited if stored in appropriate conditions
Health and Safety	• Use goggles, gloves and a breathing mask when applying • Apply forced ventilation in confined spaces • Remove splashes from skin with hand cleaner or soap and water • Eye splashes to be washed with plenty of water • If ingested seek medical advice
Additional Information	PROKEM provides the construction industry with a comprehensive range of construction chemicals and specialty products answering the queries of modern engineers for trouble free durable structure. PROKEM designs tailor made products should there be critical application that requires specific properties rather than our main range, then and for our customer's satisfaction, PROKEM reserves the right to change the properties of its products. All orders are accepted subject to our current term of sale & delivery. Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request. PROKEM extends technical services to include after sales support to assist users in a proper handling of our products.