

DATA SHEET FOR CARBON STRIP PROFILE



Low weight



High strength



No corrosion



Chemical resistance



Electrical conductive



Easy to machine



Little or no maintenance

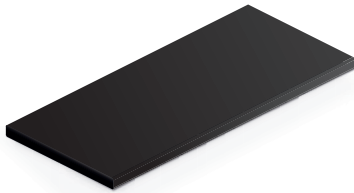


Sustainable manufacture



Stiffness

Fiberline Carbon Fiber Lamella (CFL)



Fiberline's pultruded Carbon Fiber Lamellas are engineered to stiffen and strengthen new and existing structures. The CFL consists of a multitude of continuous fibres, oriented in the direction of the load, each with a diameter of approx. 7µm. The production method ensures the most cost-effective way of converting carbon fibres into profiles and the continuous process ensures products with a minimum of variation and superior mechanical properties.

Fiberline's Carbon Fiber Lamellas features peel-ply covers on both sides that ensures good bonding properties to other prepared surfaces, like wood, steel, concrete or fibreglass profiles.

Advantages

- High Young's modulus
- Low weight, high strength and unparalleled durability
- A lighter and slimmer construction than otherwise possible
- Corrosion and weather resistance
- Easy handling and quick installation
- A product manufactured to meet APQP4Wind standards

Application

The CFL can be used to reinforce new construction or extend the life of existing structures. Applications range from bonding to wood & glulam beams, steel girder and concrete structures.

The carbon fibre lamellas are also used to reinforce fibreglass structures such as bridges and various beam dimensions.

Besides, the lamellas can also be used architecturally as "sun protection", wall cladding or flooring.

B	T	g	A	I _{xx}	E00	Stock item
mm	mm	g/m	x 10 ³ mm ²	x 10 ⁶ mm ⁴	GPa	
200	5	1.510	1,00	2,08	139	•
150	5	790	0,53	1,90	139	•