One source for all your core material needs:

CARBON CORE EUROPE GMBH

Product Data Sheet:
Flowcore FR 450/500/450



Flowcore FR is a high-performance glass fiber complex with a **100 % glass core**, sandwiched between two layers of chopped strand mat.

This unique construction delivers excellent resin flow, structural reinforcement and fire performance.

Material:	Fire-resistant fiberglass complex for closed mould process
Bonding:	Stitch-bonding with synthetic yarn
Weight:	1400 g/m² (+/-10%)
Thickness (dry):	3,0 mm (-10 / +20 %)
Thickness:	2,2 – 2,5 mm (finished laminate; depending on applied vacuum level)
Width:	125 cm (-1 / + 3 cm)
Roll length:	30 m
Resin consumption:	approx.1.500 g/m² (depending on applied vacuum level)

Key benefits at a glance

- **Fire-Retardant Performance**
  non-combustible glass fiber core and skin layers to meet stringent fire safety standards
- **Superior Resin Flow**
  optimized for LRTM and infusion processes, even with highly filled resins
- **High Mechanical Strength**
  supports robust composite designs with glass fiber core as structural layer

Ideal for

- automotive
- rail
- marine
- construction
- and other high-end sectors requiring fire-resistant properties

Flowcore FR PDS engl rev. 260116

Disclaimer The information in this product data sheet is provided for informational purposes only and may be subject to change without notice. No warranties, express or implied, are given regarding the accuracy, completeness, or suitability of the information for any particular purpose. The user is responsible for determining the product's suitability for the intended application.