Fortura®

QUADAXIAL GLASS FABRIC

Technical Data Sheet

Product Description:

Fortura® Quadaxial Glass Fabric is a lace-like reinforcement made from continuous glass strands arranged in four directions (multiaxial) and stitched together with a fire-resistant material called Nomex. Designed for use with the Fortura® product range, it forms strong, lightweight laminates when combined with Fortura®. The fabric is made from alkali-resistant fibres.

With minimal loose filaments, it is safe and comfortable to handle. It can be precisely cut using scissors or roller cutters and easily conforms to complex shapes, making it ideal for mould making and panel construction.

Specifications:

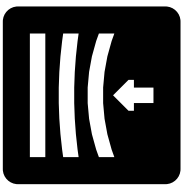
Fibre Type	Alkali-Resistant (Complies with BS/EN 1170)
Construction	0/-45/90/+45
Fabric Weight	180 gsm +/- 5%
Tex	320 (Linear weight of roving)

Properties:

Strand Tensile Strength	1.7 GPa
Elastic Modulus	72 GPa
Softening Point	860°C
Fire Performance	Non-Combustible

Top Features:

Alkali Resistant



Impact Resilience

Skin-Safe Itch-Free

Simple to Cut

- Easy to handle and non-itching, with virtually no loose filaments for comfortable use.
- Can be trimmed and shaped, and easily pre-formed within moulds to deliver continuous filament reinforcement.
- The open fabric structure promotes fast, thorough resin wet-out for reliable composite performance.
- Fibre alignment is engineered to maximise impact resistance and flexural strength. Alkali-resistant fibres meet GRC standards, ensuring proveapplications

Typical Applications:

Fortura® Quadaxial Glass Fabric is typically used when the user wants to create highly strong and durable decorative moulds. It is also commonly used for creating external panels, sculptures, and GRG moulds.

Available Sizes:

This product is supplied in 25mtr² and 125mtr² rolls, as well as 'per mtr' sizing for customer convenience.

Storage:

Fortura® Quadaxial Glass Fabric should be kept in appropriate packaging and stored in a cool, dry location. Ideal storage conditions are room temperatures between 15°C and 35°C with relative humidity of 35–65%. If stored at lower temperatures, allow the material to acclimatise in the workshop for a minimum of 24 hours before use to avoid condensation forming.