



TECHNICAL DATA SHEET

JESMONITE[®] AR QUADAXIAL GLASS

- **Product Description**

Jesmonite Alkali Resistant Glass is stitched multi-axial glass reinforcement designed for use with all Jesmonite water based materials including AC100, AC300, and AC730. The product is used in combination with Jesmonite to create strong, lightweight, hand lay-up laminates. Quadaxial Glass is made from Owens Corning[®] Cem-FIL[®] Alkali Resistant fibre. This material is backed by 40 years in service use worldwide, and has proven durability and performance. The product is manufactured under ISO 9001, and laminates made using AC730 conform to BS/EN 1170, which is the international standard for GRC products.

- **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)

- **Typical Properties**

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

- **Application Areas**

The product is specifically designed to make hand lay-up, decorative mouldings, in combination with AC300, AC100, or for external use AC730. External Cladding panels, moulded furniture, Sculpture, and a full range of GRC compliant moulded products.

- **Key Attributes**

Alkali Resistant – Complies with the GRC standard for known external durability.
 Optimal fibre orientation to achieve maximised flexural strengths and impact resistance
 Open fabric allows easy and thorough wet out of Glass Fibres ensuring optimal Composite performance
 No free filament – easy to handle, non-itching.
 Can be cut to shape and pre-formed into moulds to provide continuous filament reinforcement.

- **Packaging**

Available in 25sqm Rolls and 125sqm Rolls – all supplied at 1.25m width.

- **Storage**

Keep away from heat and moisture, and in suitable packaging. Best conditions for storage are 15°C - 35°C, within a humidity range of 35% - 65%. If the product is stored at lower temperatures it is advisable to condition it in the workshop for at least 24 hours to prevent condensation.

The above information and recommendations are based upon our experience and are offered merely for advice. They are offered in good faith but without guarantee, as conditions and methods of use are beyond our control. We recommend that the user determine the suitability of the materials for the particular purpose intended.

- **Distributor Details**

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