

AR Quadaxial Glass

PRODUCT DESCRIPTION

Jesmonite® Alkali Resistant Quadaxial Glass is stitched multi-axial glass reinforcement designed for use with Jesmonite composite materials AC630, AC730, AC830 & AC930. The product is used in combination with Jesmonite to create strong, lightweight 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 Jesmonite AC630, AC730, AC830 & AC930 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 Jesmonite AC630, AC730, AC830 & AC930. 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

TECHNICAL DATA SHEET

JESMONITE
MADE FROM

Reference: TDS-ARQG-25-EW

- No free filament – easy to handle, non-itching
- Can be cut to shape and pre-formed into moulds to provide continuous filament reinforcement

PACKAGING

Products are supplied in a variety of sizes dependant on location, therefore please check your local 'Official Reseller' for accurate formats or visit www.jesmonite.com for further information on Official Packaging.

FOOD SAFETY

Jesmonite materials have not been tested for food safety.

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.

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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. It remains the responsibility of the end user to determine the suitability of the materials for the particular purpose intended.