

TECHNICAL DATA SHEET

JESMONITE® AC730



- **Product Description**

AC730 is a rapid setting acrylic polymer modified cementitious composite. It is a shrinkage compensated material of low permeability and is durable in all conditions of external weathering. The compound is alkali free and as such is free from the efflorescence associated with Ordinary Portland Cement based systems. The product contains a fine decorative aggregate and powder pigments, carefully controlled to give a consistent decorative surface finish after treatment with a proprietary brick cleaner or acid etch. It is supplied as two components, a water-based acrylic liquid, and a blended powder.

- **Specifications**

Mix Ratio	5:1 (Powders to Liquids)
Wet Density	1950 kg/m ³
Dry Density	1850 kg/m ³
Compressive Strength	40 – 45 Mpa (Oven Dry)
Drying Shrinkage	0.1%
Impact Strength (Charpy)	5.0 – 10.1 Mpa

- **Other Properties**

Water Absorption (BS 3177)	0.2 x 10 ⁻³ kg/m ² √sec.
Permeability	11 x 10 ⁻¹⁰ m/s
Fire resistance	B.S.476 Part 6&7 – Class 'O' *
Freeze/Thaw resistance	Rilam CDC 4 – Tests specimens undamaged
Wet/Dry 50 Cycles	Test specimens undamaged

- **Application Areas**

Glass reinforced decorative architectural mouldings, and small castings. Glass reinforcements such as Jesmonite Quadaxial fabric or 13mm Glass Chopped Strands can be utilised for lightweight, high-impact panels. It can also be used to create Garden ornaments and statuary, and is suitable for water-features.

- **Key Attributes**

Improved flexural strength and stability
 Excellent Abrasion resistance and impact strength
 High Compressive and tensile strength
 Rapid curing and high early strength gain
 Shrinkage compensated and dimensionally stable

- **Packaging**

Liquids are supplied in 1kg, 5kg, and 25kg Canisters, Powders in 5kg and 25kg buckets. Bulk IBC/FIBC supply available on request.

- **Storage**

As a basic rule liquid containers should be kept well sealed to prevent water evaporation and skin forming. They should be stored at a constant temperature between 5-25°C and used within six months. Freezing must be avoided. Powders should be kept dry and stored at 5-25°C.

* Tested as Jesmonite® "X"

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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