

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

- **Other Properties**

Water Uptake/Porosity	BS EN 1170-6	2.26%
Freeze-Thaw Resistance	DD CEN/TS 12390-9	300 cycles (normal max 56 cycles)
Fire resistance	B.S.476 Part 6&7	Class 'O' *
Dimensional Stability	BS EN 1170-7	Shrinkage = 0.83/Expansion = 1.28
Weathering/Durability	BS EN ISO 4982	1008 Hrs
Compressive Strength	BS EN 12390-3	58Mpa (N/mm ²)
Flexural Strength	BS EN 1170-5	LOP 8.9Mpa – MOR 23.6Mpa

- **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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