

## AC730

### PRODUCT DESCRIPTION

Jesmonite<sup>®</sup> AC730 is a rapid setting acrylic polymer modified cement-based composite. It is a shrinkage-compensated material of low permeability and is durable in all conditions of external weathering.

Reduced free-lime content, with low alkalinity, leading to major reductions in efflorescence in comparison with ordinary Portland cement 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 base.

### SPECIFICATIONS

Mix ratio	5:1 parts (base to Liquids ratio by weight)
Wet density	1950 kg/m <sup>3</sup>
Dry density	1850 kg/m <sup>3</sup>
Initial set	30 – 45 minutes (18°C, No Retarder)

### OTHER PROPERTIES

Compressive strength	58 MPa ( <i>BS EN 12390-3</i> )
Water uptake/porosity	2.26% ( <i>BS EN 1170-6</i> )
Freeze-thaw resistance	300 cycles ( <i>DD CEN/TS 12390-9</i> )
Dimensional stability	Shrinkage = 0.83 Expansion = 1.28 ( <i>BS EN 1170-7</i> )
Weathering/durability	1008 Hrs ( <i>BS EN ISO 4982</i> )
Flexural strength	LOP 8.9Mpa MOR 23.6 MPa ( <i>BS EN 1170-5</i> )
Fire Classifications	A2, s1-d0 ( <i>EN13501-1</i> ) Class 1 (Class A) ( <i>ASTM E84</i> )

### APPLICATION AREAS

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

# TECHNICAL DATA SHEET

Reference: TDS-AC730-25-EW

**JESMONITE**<sup>®</sup>  
MADE FROM

## 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

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](http://www.jesmonite.com) for further information on Official Packaging.

## FOOD SAFETY

Jesmonite materials have not been tested for food safety.

## COLOUR

Available in 11 standard colours overing a breadth of applications. Custom colours available upon request.

## STORAGE

For maximum efficacy products should be stored at a constant temperature of between 5 – 25°C. Keep clean, dry and away from any contaminants, powders should be kept in sealed containers. Freezing must be avoided.

Jesmonite<sup>®</sup> is a Registered Trademark

*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.*