

AC630

PRODUCT DESCRIPTION

Jesmonite[®] AC630 is an acrylic polymer modified cement-based composite. It is a shrinkage-compensated material of low permeability and is durable in all conditions of weathering.

The product contains a fine decorative aggregate and powder pigments, carefully controlled to give a consistent decorative surface finish. It is supplied as two components, a water-based acrylic liquid and a blended base.

SPECIFICATIONS

Mix ratio:	5:1 (Base to Liquids)
Wet density:	2000kg/m ³
Dry density:	1920kg/m ³
Initial set	40 – 50 minutes (18°C, No Retarder)

OTHER PROPERTIES

Water uptake/porosity	11% +/- 0.5 % (BS EN 1170-6)
Freeze-thaw resistance	100 cycles (BS EN 772-22:2018)
Fire Classification	A2-s1-d0 (EN13501-1)
Dimensional stability	Shrinkage 0.354 Expansion 0.467(mm/m) (BS EN 1170-7)
Weathering/durability	25 years + (ETAG 034:2012 & BS EN 772-22:2018)
Flexural strength	LOP 12.70 MPa MOR 24.64 MPa (BS EN 1170-5)

APPLICATION AREAS

Glass reinforced decorative architectural mouldings, flat panels and castings. Glass reinforcements such as Jesmonite AR Quadaxial Glass or Jesmonite 13mm AR Glass 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.

KEY ATTRIBUTES

- Improved flexural strength
- Bespoke colour matching service
- Shrinkage compensated with improved dimensional stability
- Non-Combustible Fire Classification
- Enhanced durability within extreme weather conditions

TECHNICAL DATA SHEET

Reference: TDS-AC630-25-EW

JESMONITE
MADE FROM

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.

COLOUR

AC630 is available in a 'Natural' colour and can be custom matched using our colour matching service.

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.

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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.