

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. It contains reduced free-lime content, with lower 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. 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

OTHER PROPERTIES

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

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
- Continuous strength gain
- Enhanced durability within extreme weather conditions

PACKAGING

Liquids are supplied in 5kg, 25kg containers and 1000kg Bulk IBCs, Base is supplied in 25kg buckets and 1000kg FIBCs.

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. Base should be kept dry and stored at 5 – 25°C.

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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.

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