

TECHNICAL DATA SHEET

JESMONITE® AC830



- **Product Description**

AC830 is a rapid setting acrylic polymer modified cementitious casting composite. It is a shrinkage-compensated material of low permeability and is durable in all conditions of external weathering. The compound is designed for fine decorative castings and is suitable for Statuary, Water-Features, and decorative cast objects that are externally durable and frost resistant. AC830 Casting is supplied in a white colour that can then be pigmented using a range of both powder and liquid cement pigments. AC830 is a wet-cast system that enables the manufacturer to create easily compacted castings without expensive vibration equipment. It is supplied as two components, a water-based acrylic liquid, and a blended powder. A Super-Plasticiser is supplied to further enhance strengths, ease of casting, and ultimate durability. A bespoke colour matching service is also available.

- **Specifications**

Mix Ratio	7:1 (Powders to Liquids)
Wet Density	1990 kg/m ³
Dry Density (EN1170-6)	1890 kg/m ³
Compressive Strength (EN 1015-11)	45N/mm ² (45Mpa)
Water Absorption (EN1170-6)	4.89% (24hr)/ 5.45% (7 day)
Drying Shrinkage	0.1%
Flexural Strength (BS 492)	Pass
Thermal Expansion (BS1902)	0.009mm/m per degree C (= 9 10 ⁻⁶ /° K)

- **Application Areas**

A fast setting, high strength wet cast alternative to Cast stone, Manufactured stone, and cast decorative concrete.

- **Key Attributes**

Improved flexural strength and stability
 High durability in all external environments
 High Compressive and tensile strength
 Rapid curing and high early strength gain
 Shrinkage compensated and dimensionally stable

- **Packaging**

Liquids are supplied in 25kg Canisters and 1000kg IBC's, Powders in 25kg buckets and FIBC Bulk Bags.

- **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.

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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