

AC830

PRODUCT DESCRIPTION

Jesmonite[®] AC830 is a rapid setting acrylic polymer modified cement-based 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 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 base. A super-plasticiser is available to further enhance strengths, ease of casting, and ultimate durability.

SPECIFICATIONS

| | |
|----------------------|---|
| Mix ratio | 7:1 (Base to Liquids) |
| Wet density | 2050 kg/m ³ |
| Dry density | 1950 kg/m ³ (EN1170-6) |
| Fire Classification | A1 (EN13501-1) |
| Compressive strength | 45N/mm ² (45Mpa) (EN 1015-11) |
| Water absorption | 4.89% (24hr) / 5.45% (7 day) (EN1170-6) |
| Drying shrinkage | 0.1% |
| Flexural strength | Pass (BS 492) |
| Thermal expansion | 0.009mm/m per degree C (= 9 10 ⁻⁶ /° K) (BS1902) |

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

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.

TECHNICAL DATA SHEET

Reference: TDS-AC830-25-EW

JESMONITE[®]
MADE FROM

FOOD SAFETY

Jesmonite materials have not been tested for food safety.

COLOUR

AC830 is supplied in a 'Natural' colour that can then be pigmented using a range of both powder and liquid cement pigments. We also offer colour matching for AC830.

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.