

## AC84

### PRODUCT DESCRIPTION

Jesmonite<sup>®</sup> AC84 is a rapid setting acrylic polymer modified cement-based composite. Its primary design purpose is to be used as a crafting concrete; however, the product remains durable in all conditions.

The product is of low viscosity, making it extremely easy to mix and pour.

### SPECIFICATIONS

Mix Ratio	5:1 (Base to Liquids)
Wet Density	1950 kg/m <sup>3</sup>
Dry Density	1850 kg/m <sup>3</sup>

### OTHER PROPERTIES

Water uptake/porosity	2.26% (BS EN 1170-6)
Freeze-thaw resistance	300 cycles (DD CEN/TS 12390-9)
Dimensional stability	Shrinkage = 0.83 Expansion = 1.28 (BS EN 1170-7)
Weathering/durability	1008 Hrs – No significant change (BS EN ISO 4982)
Compressive strength	56Mpa (N/mm <sup>2</sup> ) (BS EN 12390-3)
Flexural strength	LOP 8.9 MPa MOR 26.3 MPa (BS EN 1170-5)

### APPLICATION AREAS

AC84 is ideally used for small to medium scale crafting scenarios where the user desires a concrete finish. The product is designed for ease of use and can be mixed using a Jesmonite High Shear Mixing Blade to create an extremely low viscosity, smooth, flowing mix. It can also be used to create garden ornaments and small statues.

### KEY ATTRIBUTES

- Improved overall strength
- Excellent abrasion resistance
- High impact strength and early strength gain
- Great compressive and tensile strength
- Rapid curing
- Shrinkage compensated
- Dimensionally stable
- Very low water absorption/porosity

# TECHNICAL DATA SHEET

Reference: TDS-AC84-25-EW

**JESMONITE**<sup>®</sup>  
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](http://www.jesmonite.com) for further information on Official Packaging.

## FOOD SAFETY

Jesmonite materials have not been tested for food safety.

## COLOUR

AC84 is available in a white colour, which can be pigmented by the end-user using Jesmonite Liquid Pigments or Iron Oxide Powders/Pastes. It is supplied ready to mix as two components, a water-based acrylic liquid, and a blended Base.

## 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.*