

AC84

PRODUCT DESCRIPTION

Jesmonite® 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. AC84 is available in a white colour, this can be pigmented by the end-user by utilising 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. 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 ³
Dry Density	1850 kg/m ³

TECHNICAL PROPERTIES

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

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. Due to the nature of it's composition it can also be used to create garden ornaments and small statues. AC84 is supplied as a white coloured material, and as such is most suited to applications where you are casting plain or user-pigmentation will be used to create final colour.

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

PACKAGING

Liquids are supplied in 1kg, 5kg & 25kg containers and 1000kg IBC's, Base is available in 5kg, 25kg & 25kg buckets and 500-1000kg FIBC's.

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

Jesmonite® is a Registered Trademark

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.

Contact details

Jesmonite Limited.
Challenge Court
Bishops Castle
Shropshire SY9 5DW
United Kingdom

Tel: +44 (0)1588 630302
Fax: +44 (0)1588 630304
www.jesmonite.co.uk