

AC730

FLEX METAL GEL COAT

PRODUCT DESCRIPTION

Jesmonite® AC730 Flex Metal Gel Coat is a rapid setting acrylic polymer modified cement-based composite which incorporates real metal powder to achieve a range of metallic finishes. It is designed to be brush applied into moulds with both AC730 and AC830 composites being used as backing materials with suitable glass reinforcements. It is a shrinkage-compensated material of low permeability and is durable in all conditions of external weathering. The compound is alkali free and as such is free from the efflorescence associated with ordinary Portland cement-based systems. It is supplied as two components, a water-based acrylic liquid, and a blended Base.

SPECIFICATIONS

Mix ratio	5.5:1 (Base to Liquids)
Wet density	2750 kg/m ³
Dry density	2650 kg/m ³

OTHER PROPERTIES

Weathering/Durability	ETAG 034	25 years
Water uptake/porosity	BS EN 1170-6	2.26%
Freeze-thaw resistance	DD CEN/TS 12390-9	300 cycles (normal max 56 cycles)
Fire resistance	EN13501-1	B-s1-d0
Dimensional stability	BS EN 1170-7	Shrinkage = 0.83/Expansion = 1.28

APPLICATION AREAS

Glass reinforced decorative architectural mouldings, cladding, and decorative castings. Glass reinforcements such as Jesmonite Quadaxial Fabric or 13mm Glass Chopped Strands can be utilised for lightweight, high-impact panels.

KEY ATTRIBUTES

Real Metal finishes form a durable, proven GRC material
Rapid curing and high early strength gain
Shrinkage compensated and dimensionally stable

PACKAGING

Liquids are supplied in 100g, 500g and 2kg jerry cans and Flex Metal Base is supplied in 550g, 2.75kg and 11kg buckets.

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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