

# AC730

## FLEX METAL GEL COAT

**JESMONITE**  
MADE FROM  
**TE**®

### 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. The. 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 <sup>3</sup>
Dry density	2650 kg/m <sup>3</sup>

### 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	B.S.476 Part 6&7	Class 'O' Indicative
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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## THE KEY BENEFITS OF USING JESMONITE



### Stronger

Strong, flexible and more durable, making it high impact resistant.



### Finer

Replicates the very finest detail.



### Greener

Water-based not solvent-based making it kinder to the environment.



### Lighter

Lighter than stone, glass-reinforced concrete, sand and cement products – perfect for film sets.



### Safer

Fire-resistant with a class zero fire rating, reduced smoke density and toxicity characteristics. Solvent free with no VOC's.



### More choice

Can be pigmented to any colour or RAL reference. It can also mimic any texture and reproduce the effect of materials such as stone, metal, wood, leather and fabric.