

# Flex Metal Gel Coats

## PRODUCT DESCRIPTION

Jesmonite® Flex Metal Gel Coats are 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 AC630, AC730, AC830 & AC930 composites being used as backing materials with suitable alkaline resistant glass reinforcements.

## SPECIFICATIONS

Mix ratio	Varied ( <i>see table below</i> )
Weathering/durability	25 years ( <i>ETAG 034</i> )
Water uptake/porosity	2.26% ( <i>BS EN 1170-6</i> )
Freeze-thaw resistance	300 cycles ( <i>DD CEN/TS 12390-9</i> )
Fire resistance	B, s1-d0
Dimensional stability	Shrinkage = 0.83 Expansion = 1.28 ( <i>BS EN 1170-7</i> )

## SUGGESTED MIX RATIOS

Flex Metal Bronze Base	5.5 parts by weight
Flex Metal Liquids	1 part by weight
Flex Metal Brass Base	5.5 parts by weight
Flex Metal Liquids	1 part by weight
Flex Metal Copper Base	7 parts by weight
Flex Metal Liquids	1 part by weight
Flex Metal Silver Bronze Base	5.5 parts by weight
Flex Metal Liquids	1 part by weight

## APPLICATION AREAS

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

# TECHNICAL DATA SHEET

Reference: TDS-FMGC-25-EW

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## KEY ATTRIBUTES

- Real Metal Finishes
- Proven/Tested Material
- Rapid Curing
- Fast Initial Strength Gain
- Shrinkage Compensated
- 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](http://www.jesmonite.com) for further information on Official Packaging.

## FOOD SAFETY

Jesmonite materials have not been tested for food safety.

## COLOUR

Available in 4 standard colours, covering a multitude of metallic finishes.

## 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.*