

# AC200

## PRODUCT DESCRIPTION

Jesmonite® AC200 is a water-based, two-component, acrylic polymer/mineral resin system. The material is formulated for making masters and prototypes for moulding and sets to a hard but easily carved surface finish. The hardened material can then be machined or shaped using a variety of tools including CNC machines, routers, rasps, chisels etc., and can then be finished with sandpaper prior to moulding. The master can then be moulded using a rubber moulding compounds. AC200 is also an excellent adhesive for polystyrene, PU tooling board, and styrofoam board.

## SPECIFICATIONS

Mix ratio	2:1 parts Base to Liquids ratio by weight
Wet density	1845 kg/m <sup>3</sup>
Dry density	1745 kg/m <sup>3</sup>
Initial set	15 – 20 minutes (18°C, No Retarder)
Expansion on set	0.15%

## APPLICATION AREAS

The material can be used to produce hand-carved and CNC'd masters and prototypes. It also works as a machining surface and adhesive for foam boards.

## KEY ATTRIBUTES

Solvent free – No VOC's  
Easily carved and machined  
Does not degrade polystyrene

## PACKAGING

Liquids are supplied in 1kg, and 25kg canisters, Base in 5kg and 25kg buckets and 25kg Valve Sacks. Bulk IBC/FIBC supply available on request.

## 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.

## 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](http://www.jesmonite.co.uk)

## 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.