



Moulding Rubbers

***World Class Silicones
for Worldwide Solutions***



ACC Silicones 900 Series

High strength moulding rubbers designed to meet the demands of modern moulding techniques, suitable for use with a wide range of materials including polyester, polyurethane and plaster. The 900 series has been formulated to reproduce the finest of detail whilst maintaining dimensional stability.

The use of a Thixotroping additive makes for easy application on vertical surfaces essential when replicating works of art, natural features or architectural structures and reliefs.

A range of catalysts are available to provide varied cure speeds. Fast and standard catalysts can be blended together to produce the optimum cure rate for your application.
(See data sheets).

Key Features

- High tear strength
- Fine detail pick up
- Low Viscosity
- Extensive range of hardness
- Good resistance to styrene attack
- Low shrinkage
- Range of catalysts
- Thixotroping agent

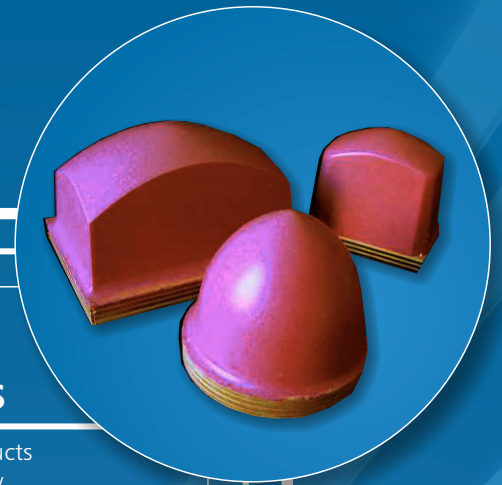


Addition Cure 2-Part Moulding Rubbers

ACC Silicones addition cure rubbers use platinum catalyst to provide a selection of products with varying physical properties. They will all cure at room temperature and can be easily accelerated with the use of heat. They are very low shrinkage rubbers with high tear and tensile strength giving extended mould life and dimensional stability.

Key Applications

- Ceramic/Polyester/PU/Epoxy & general moulding
- Tampo Print Pads
- Rubbers that meet the FDA requirements for food contact
FDA CFR 177.2600
- Translucent rubber for rapid prototyping
- Very hard rubbers for expanded PU foam, large objects
- Concrete moulding, alkali resistant



ACC Silicones 800 Series

Low tear moulding rubbers designed for use in less demanding applications without the need for a more expensive high tear material.

Typical applications include:

- Shoe sole moulding
- Leather reproduction
- Moulds without undercuts
- Low melt alloy's

A range of catalysts are available to provide varied cure speeds. Fast and standard catalysts can be blended together to produce the optimum cure rate for your application.
(See data sheets).



Gelflex

Gelflex is a hot melt vinyl moulding rubber that can be reused more than once. Available in two different hardness's , it is easily melted down using a thermostatically controlled heating vessel to form a low viscosity rubber. Gelflex is a low cost alternative to more expensive moulding rubbers where extremely fine detailed reproduction is not required.

Typical applications include:

- Plaster casting
- Production of loss wax models
- Moulds without undercuts
- Pate de Verre and glass casting

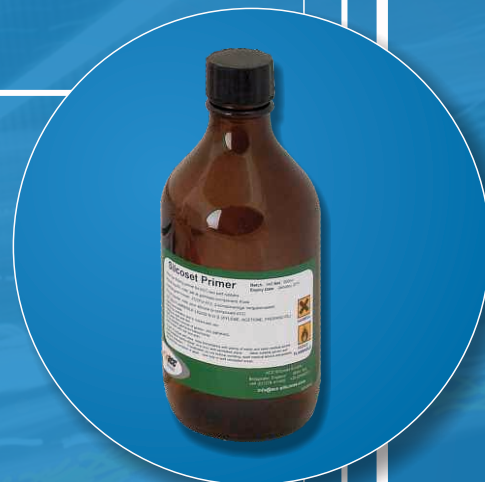


Silicone Primers

On occasions you may want to create a bond when using a silicone moulding rubber such as when making a Tampo print pad. ACC Silicones have produced a comprehensive guide to primer and silicone selection and this is freely available on request or by visiting our web site.

ACC Primers can be used with the following materials

- 1 & 2 Part silicone elastomers
- Addition and Condensation cure systems
- Most plastics, wood, metals and glass



ACC Silicones has been manufacturing silicone compounds for over 40 years

During that time, we have acquired a great deal of experience and expertise and have gained an enviable reputation for producing high quality materials which have been proven to perform to a very high standard in the most demanding applications, including the aerospace and automotive industries.

We now have a brand new R&D facility in the UK and much of our research work is focused on electrical and electronic applications developing coatings, thermal transfer compounds and non-corrosive sealants. Our customer focused development programme and flexible production facility enable us to keep pace with the needs of today's modern production methods and design requirements.

Qualified, experienced sales and technical staff are readily available to make site visits throughout Europe and advise on product selection and production methods. Our expertise extends into all areas of 1 and 2 part RTV silicone chemistry with a strong bias towards application based solutions.

ACC Silicones is now part of the ICM Silicones Group enabling us to draw on additional expertise from around the world and benefit from additional manufacturing facilities in Europe, China and the US.

Bespoke service

Our adaptable facilities based upon batch production allow us to offer formulations specially developed to meet very specific application requirements. Subject to strict commercial evaluation we are able to chemically engineer our products and change any of the following properties:

- Rheology – paste to free flowing low viscosity
- Cure speed and tack free times
- Thermal conductivity
- Hardness
- Colour
- Operating temperature range
- Cure mechanism
- Packaging and delivery systems



PART OF THE ICM SILICONES GROUP

Other ICM Group Companies

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Quantum Silicones, Richmond, Virginia, USA
Amber Silicones (Tianjin) Co Ltd, Tianjin, China

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