



GIC Mould & Shutter Release Agent

Water Based Mould and Shutter Release Agent.

Uses

- To provide quick, clean and easy stripping of moulds, shutters and formwork.
- To ensure clean release of the hardened concrete, to produce a uniform smooth, hard finish to the concrete.

Typical Applications & Advantages

- Very economical as only a light film is required and environment friendly.
- Ensures easy release, reducing damage and improving efficiency of production.
- Minimizes cleaning of moulds & shutters before re-use.
- Suitable for use with virtually all types of formwork and reduces the opportunity of damage to formwork, extending usable life.
- Inhibits corrosion of steel moulds and shutters.

Standards Compliance

GIC Mould & Shutter Release Agent complies with the requirements of the following standards: ASTM D 2111:1985, Method C

Product Description

GIC Mould & Shutter Release Agent is a specially formulated release agent to produce release properties, which are superior to those of conventional release agents. This is an emulsified blend of non-hazardous chemicals with a chemically active release agent supplied as a sprayable/brushable liquid, ready for direct application on site. The reactive components in **GIC Mould & Shutter Release Agent** protect formwork and ensure an even color and texture in the cast concrete.

Typical Properties

Colour	:	Uniform Pale straw
Homogeneity	:	Homogenous
Specific Gravity	:	1.01 @ 25±2°C

Technical Support

GIC provides a comprehensive technical support service to specifiers, end users and contractors and is able to offer on-site technical assistance.

Instructions for Use

Mould preparation: Steel moulds require no special treatment other than the removal of rust or oil, wetting out may be improved by lightly abrading the surface.

Preparation of used moulds: Moulds previously treated with **GIC Mould & Shutter Release Agent** will require only light brushing, as the presence of fine dust will improve absorption of **GIC Mould & Shutter Release Agent** into the mould surface. This will usually result in improved release properties on the second and subsequent uses of the mould.

Application: **GIC Mould & Shutter Release Agent** may be applied by brush or conventional mould oil sprayer. If a mould oil sprayer is used, it is important that a fine nozzle be fitted, as this should be applied in a light continuous film. If it is over applied, excess material should be allowed to drain and then carefully removed from the bottom of the mould by means of a sponge or cloth. Pools of **GIC Mould & Shutter Release Agent** should not be allowed to dry otherwise surface retardation of the concrete will occur.

Unlike conventional mould oils, this does not possess residual release properties, so it is important that prior to each occasion of use, all areas of the mould are re-coated.

Coverage

Typically coverage of 30 – 60 m² / litre / coat is possible depending on the surface texture, roughness, porosity, etc.

Packaging & Storage

GIC Mould & Shutter Release Agent is available in 20 litre and 210 litre drums and it has a minimum shelf life of 12 months provided it is stored under cover, out of direct sunlight.

Health & Safety Precautions

GIC Mould & Shutter Release Agent is non-toxic; however, it is advisable to wear goggles when spraying. Inhalation of spray should be avoided. In the case of excessive skin, contacts





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wash with soap and water and apply skin-conditioning cream. In case of contact with eyes, flush with clean water. If irritation persists, obtain medical advice, if product is swallowed – do not induce vomiting, obtaining medical attention immediately.

For further information, refer the Material Safety Data Sheet available for this product.

Important note

GIC endeavors to ensure that the technical information contained herein is true, accurate and represents our best knowledge and experience. No warranty is given or implied, as GIC has no control over the conditions of use and the competence of any labor involved in the application are beyond our control.

As all GIC technical data sheets are updated on a regular basis it is the customer's responsibility to check that the product is suitable for the intended application, and that the actual conditions of use are in accordance with those recommended.

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