

# MAXCURE<sup>®</sup> MRA 101

**Compound Chemical Mould Releasing Agent**



Maxcure<sup>®</sup> MRA 101 is specially formulated blend of mineral oils and chemicals having release properties which are superior to those of conventional mould oil. The chemicals react with the alkali in the concrete to form a thin water repellant on skin on the surface of the mould, thereby enabling easy stripping from concrete and acting as a protection to steel and wooden formwork.

Maxcure<sup>®</sup> MRA 101 is supplied as a dark greenish-black liquid ready for direct application and use.

## Uses

To provide quick, clean and easy stripping of moulds, and formwork and ensure high quality, stain free, fair faced concrete.

## Benefits

- Ensures easy release, improving efficiency.
- Minimizes surface blemishes and staining, promoting high quality fair-faced concrete.
- Reduces opportunity of damage to formwork, extending usable life.
- Minimizes cleaning of formwork before reuse.
- Suitable for use with virtually all types of formwork.
- Inhibits corrosion of steel formwork

## Technical Support

Thermax provides a technical advisory services supported by a team of specialists in the field.

## Properties

- **Specific Gravity:** 0.82-0.84 gm/cc @ 25°C
- **Service Temperature:** Suitable for use with steam cured concrete.
- **Formwork Surfaces:** Equally effective on wood or metal moulds and shutters. Particularly effective on GRP and other resinous coatings including Maxcure<sup>®</sup> MRA 101 coated wooden surfaces.
- **Staining:** No significant staining observed on normal concrete. However, it is not recommended for use with white cement.
- **Concrete Surface Quality:** In addition to preventing adhesion of the cement paste to the mould or shutter face, and this allows air, which would otherwise be trapped, to escape from the face when the concrete is being poured and vibrated.

Pockets of air, trapped on the shuttered faces of concrete, are a major cause of imperfections, necessitating remedial work. Maxcure<sup>®</sup> MRA 101 avoids time and money spent on this.

The chemical reaction between Maxcure<sup>®</sup> MRA 101 and the cement in a concrete mix produces a strongly hydrophobic surface. This repels surplus water at the interface with the mould and by protecting the concrete from its effects, preserves uniformity of surface texture and colour.

- **Re-use of Moulds:** Due to excellent release properties, little or no deposit of cement paste remains on the shutter surface. Minimum cleaning down and further coat of Maxcure<sup>®</sup> MRA 101 renders shutters ready for use.
- **Economic Benefits:** On account of the high rate of coverage, the applied cost of Maxcure<sup>®</sup> MRA 101 compares favorably with that of conventional mould oil. Having regard to the technical benefits additionally obtained, the overall economy of using Maxcure<sup>®</sup> MRA 101 can be significant.

## Instructions for Use

### Preparation of New Moulds

No preparation is necessary, but if extensive reuse of timber mould is envisaged, it is advisable to protect all new surfaces with Maxcure<sup>®</sup> MRA 101. It protects timber from alkali attack which can result in a very short usable life. For used moulds, all traces of cement must be removed together with any surface deposit of previous oils.

### Coating

Maxcure<sup>®</sup> MRA 101 can be applied by brush, sponge or conventional mould oil sprayer. If a mould oil sprayer is used, care should be taken to ensure that the correct nozzle size is chosen. Stir the contents of the container thoroughly before use. Apply one coat of Maxcure<sup>®</sup> MRA 101 thinly and evenly over the entire surface. Only the thinnest coating necessary to achieve effective coverage should be applied. Excess application is uneconomical and may lead to surface dusting.

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Wipe or brush off any particles that may be on the surface and apply one coat of Maxcure<sup>®</sup> MRA 101 as previously. If it is required to remove Maxcure<sup>®</sup> MRA 101 completely, a strong industrial detergent should be applied together with stiff brushing and then thoroughly rinsed with clean water.

## Health and Safety Instructions

Gloves should be worn when handling Maxcure<sup>®</sup> MRA 101. Splashes on the skin should be removed with soap and water. Contact with eyes must be avoided and accidental contamination should be washed thoroughly with plenty of water. Medical treatment to be sought immediately. Good ventilation should be ensured and smoking should be prohibited.

## Storage

Due to high flash point the flammability risk of Maxcure<sup>®</sup> MRA 101 is low. Ensure adequate ventilation. Use of Maxcure<sup>®</sup> MRA 101 near naked flame or smoking during use should be avoided.

## Shelf Life

12 months. It must be stirred thoroughly before use.

## Packing

Maxcure<sup>®</sup> MRA 101 is supplied in 235 litre drums, 20 litre and 5 litre containers.

## Coverage

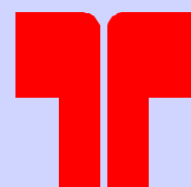
A coverage between 35-45 m<sup>2</sup> per liter is possible depending upon the porosity and texture of mould surface. Initial absorption of material will be high on fresh plywood sheets and coverage will improve on the used shuttering material.

## Other Segments:

- Concrete Admixtures • Surface Treatments • Grouts & Anchors • Repair & Rehabilitation
- Protective Coatings • Industrial Flooring • Waterproofing • Sealants • Adhesives

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