

MAXCURE[®] MRA 110

Ready to Use, Vegetable Oil Based Mould Release Agent



Maxcure[®] MRA 110 is a vegetable oil based mould release agent supplied as an amber brown liquid. It is an effective solution with excellent release properties paired up with the economy of conventional oils. The chemistry of Maxcure[®] MRA 110 allows it to form a thin water repellant layer on the surface of the mould to facilitate easy stripping from the hardened concrete to produce uniformly finished, blowhole-free concrete surface.

Uses

- For easy and stain free release of concrete from moulds and formwork of all types.
- For easy demoulding specifically from steel, fiberglass and timber/wooden formwork.

Benefits

- **Water Resistant Film:** Facilitates easy, fast and clean stripping of forms
- **Non-Staining:** No cleaning of unsightly oil stains if plastering is not required.
- **High Quality:** Produces really fair faced finish concrete.
- **Minimizes Cleaning:** Makes cleaning of form faces between pours very easy.
- **Ready-to-Use Form:** Placement up to 4 weeks before concreting.
- **Eco-friendly:** Vegetable oil based

Technical Support

Thermax offers technical support service to specifiers, end-users and contractors, as well as on-site technical assistance in locations all over the country.

Properties

Appearance	Amber Brown Liquid
Flash Point	> 100°C
Density	0.89-0.93 gm/cc at 27°C
Viscosity (by B4 Cup)	25-35 sec at 27°C

Instructions for Use

Preparation

New Moulds: No preparation is normally necessary. Metal moulds showing signs of rust, must be wire brushed or treated with emery cloth and made clean before coating.

New Timber: Plywood will give superior results and much extended re-use if first coated with Maxcure[®] MRA 110.

Used Moulds: These must be thoroughly clean and free from old concrete, dry, cement laitance, old mould oil and other contaminations. Use a strong detergent for removal of oil and grease.

Note: Apply Maxcure[®] MRA 110 before the first casting and thereafter re-apply immediately after stripping and cleaning the mould. Coat the formworks liberally before storing to keep them rust free. To return forms to service, sweep down and recoat with Maxcure[®] MRA 110.

Application

Apply the Maxcure[®] MRA 110 to the face of the formwork by roller brush or knapsack sprayer. Only one coat should be applied (as thinly as possible except on very absorbent new timber where two coats may be necessary for the first application) and allow to dry. Placement up to 3 weeks will not affect its performance.

If the formwork is not used for over 3 weeks, a further coat may be applied. Only a very thin film of Maxcure[®] MRA 110 should be applied. Excess could lead to surface dusting of the concrete.

The best results are obtained by applying with a fine mist sprayer. Where a cloth is used, it should first be soaked in the release agent and then squeezed out well applying. This ensures the thinnest possible film.

It is essential that the Maxcure[®] MRA 110 is thoroughly dry before placing concrete. Otherwise, being an emulsion, its performance may be impaired. In conditions of high humidity drying times will be much longer than in warm dry conditions.

Rainfall: It is necessary to protect freshly coated formwork from rain which may dilute the emulsion before it has dried. After drying the coating will withstand an occasional lightly shower but may be affected by heavy or continuous rain. In such cases, a further coat is advised once surfaces have dried out thoroughly.

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De-moulding: De-moulding can be carried out in the normal way and no special precautions are necessary.

After de-moulding: Formwork surfaces must be thoroughly cleaned, but this is normally easy due to the excellent release action.

Before re-use: The cleaned formwork surfaces must be recoated with Maxcure[®] MRA 110 each time, in accordance with normal practice.

Health and Safety Instructions

Gloves should be worn when handling Maxcure[®] MRA 110. Splashes on skin should be removed with soap and water. Contact with eyes should be avoided and accidental contamination should be washed with plenty of water and medical treatment sought immediately. If swallowed, obtain immediate medical aid. Do not induce vomiting. Ensure good ventilation.

Flash Point

This product has a flash point of greater than 100°C.
This product has no known fire or explosion hazards.

Storage

Maxcure[®] MRA 110 has a shelf life of 12 months provided the temperature is kept in the range of 10°C-50°C.

Packing

Maxcure[®] MRA 110 is supplied in 5ltr pack, 20ltr pack and 200 litre MS drums.

Coverage

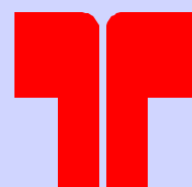
1 litre of Maxcure[®] MRA 110 will cover 30 to 70 m² depending upon the nature of the substrate. The highest coverage rate must be aimed for. As a guide, untreated timber or plywood: 30 to 45 m² / litres; metal or treated timber: 45 to 70 m² / litres.

Other Segments:

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

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