

CAC-MRA OB

Mineral oil based chemical mould releasing agent

Applications

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

Features & Benefits

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

Description

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

CAC-MRA OB is supplied as a dark greenish-black liquid ready for direct application and use.

Technical Support

CAC provides a technical advisory service supported by a team of specialists in the field.

Properties

Specific gravity : 0.89 at 27°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 CAC-MRA OB coated wooden surfaces.

Staining : No significant staining observed on normal concrete. However 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, CAC-MRA OB 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. CAC-MRA OB avoids time and money spent on this.

The chemical reaction between CAC-MRA OB 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 CAC-MRA OB renders shutters ready for reuse.

Economic benefits

On account of the high rate of coverage, the applied cost of CAC-MRA OB compares favourable with that of conventional mould oil. Having regard to the technical benefits additionally obtained, the overall economy of using CAC-MRA OB can be significant.

Application instructions

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 CAC-MRA OB. 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

CAC-MRA OB 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 CAC-MRA OB thinly and evenly over the entire surface. Only the thinnest coating necessary to achieve



CAC-MRA OB

effective coverage should be applied. Excess application is uneconomical and may lead to surface dusting.

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

Estimating

Packaging

CAC-MRA OB is supplied in 200 litre and 20 litre containers

Coverage

A coverage between 35 to 40m² per litre is possible depending upon the porosity and texture of mould surface. Initial absorption of the material will be high on fresh plywood sheets and coverage will improve on the used shuttering material.

Storage

Shelf life

12 months. It must be stirred thoroughly before use.

Precautions

Health & safety instructions

Gloves should be worn when handling CAC-MRA OB. 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 and medical treatment sought immediately. Good ventilation should be ensured and smoking during use is prohibited.

Fire

Due to the high flash point the flammability risk of CAC-MRA OB is low. Ensure adequate ventilation. Using CAC-MRA OB near naked flame or smoking during use should be avoided.

Disclaimer:

The product information & application details given by the company & its agents has been provided in good faith & meant to serve only as a general guideline during usage. Users are advised to carry out tests and take trials to ensure on suitability of products meeting their requirement prior to full scale usage of our products. Since the correct identification of the problems, quality of the other materials used and on-site workmanship are factors beyond our control, there are no expressed or implied guarantee / warranty as to the results obtained. The Company does not assume any liability or any consequential damage for unsatisfactory results, arising from the use of our products.

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