

## DESCRIPTION

MRA is specially formulated blend of fatty acids, which gives superior performance to conventional mould oils. The fatty acids react with the water in the concrete to form a thin water repellent barrier, thereby enabling easy stripping of the formwork from the concrete surface. MRA is a milky emulsion with water and contains rust inhibitor to impart anti-rust, anti-corrosion properties and a biocide to prevent bacterial growth in the emulsion. This oil has superior cooling and lubricating properties which impart excellent surface finish and minimises tool wear.

## PROPERTIES

- MRA is a low viscosity, easily sprayable liquid or brush applied or with cotton waste.
- MRA is non-staining and is suitable for use with even white cement.
- MRA prevents rust forming on steel forms and can also be used to protect concreting plant after use
- MRA helps to reduce the cleaning time for formwork and concrete plant.
- MRA extends the life of the formwork due to the reduction of mechanical cleaning required.
- Allows air which would normally be trapped at the interface of the concrete and formwork to escape during vibration and reduces the incidence oil blow holes in the concrete face. This reduces the surface imperfections and also the need for remedial surface treatments at a later stage.

## PRODUCT DATA

- Specific Gravity : 0.80 to 0.90
- Physical Appearance : Pale amber coloured liquid
- Chloride content - NIL
- Nitrate content - NIL
- Flash point -150°C
- Storage : 12 months from date of manufacturing in sealed containers, @ standard conditions.

## APPLICATION

On new formwork, no preparation is required. On used formwork, preparation as below:

- (A) Steel, rubber and plastic formwork : All rust, grease and cement paste should be removed before application of MRA
- (B) Wooden formwork: All adhering cement paste should be removed and the surface scraped to remove any old mould oil that may be present.

## COATING

- MRA may be applied by either brush or cloth. However the best results are obtained when application is by conventional mould oil spray equipment. MRA should be applied thinly and evenly.
- On steel, plastic or previously treated wooden formwork, one coat MRA is adequate. For new untreated wooden formwork, a second coat may be if the formwork is not used within 2-3 days.

## COVERAGE

Coverage of formwork will vary considerably according of the type of form used. On new rust free steel forms rates up to 60 meter/litre will be obtained but on absorbent wooden forms this may be reduced to 30 meter/litre

## STORAGE

12 months from date of manufacturing in sealed containers.

## SAFETY PRECAUTIONS

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs. Treat splashes to eyes and skin immediately.

If accidentally ingested, seek immediate medical attention. Reseal containers after use.

## TECHNICAL INFORMATION & SERVICES

Further information and advice including practical demonstration are freely available from the technical service department of Cemseal Industries Ltd.



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## NOTE

- Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local Cemseal representative.
- Cemseal reserves the right to have the true cause of any difficulty determined by accepted test methods.

### Address

**Plant 1** : C-1/B-96-97 G.I.D.C Industrial Estate, Kalol, Panchamahar, Gujarat - 389330

**Plant 2** : Plot no 30, Marble Market Sejbahar, Rajpur, Chhattisgarh - 492015

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