

Reebol Emulsion Concentrate



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constructive solutions

Concentrated chemical mould release agent

Uses

- For quick, clean and easy stripping of formwork
- For high quality, fair-faced and stain-free concrete

Advantages

- Ensures easy release, reducing damage and improving efficiency of production
- Minimises surface blemished and staining, promoting high quality fair-faced concrete even with white cement
- Reduces opportunity of damage to formwork, extending usable life
- Minimises cleaning of formwork before re-use
- Suitable for use with virtually all types of formwork
- Concentrate minimises storage and transport costs

Standard Compliance

Category 5: Chemical release agent (Concrete Society: Notes on formwork release agents and coatings. April 1981).

Description

Reebol Emulsion Concentrate chemical mould release agent is a specially concentrated blend of mineral oils and selected additives. It is supplied as a low viscosity, pale straw coloured liquid ready for dilution with water to application strength. The concentrated form reduces cost in use to a level comparable with that for normal oil based release agents (Concrete Society categories 1 and 2).

On the mould, dilutions of **Reebol Emulsion Concentrate** provide a chemical release action superior to that provided by normal oil based release agents. Entrapment of air bubbles at the mould surface is minimised, reducing surface blemishes and substantially reducing remedial costs.

As well as improving cast concrete surfaces, **Reebol Emulsion Concentrate** minimises damage to form surfaces. On all mould types the easier release and reduced residue minimise the chance of damage to the mould surface during stripping and cleaning. This extends the life of the surface and reduces the frequency of concrete defects caused by damage to the mould face.

Technical Support

Fosroc provides a technical advisory service for on-site assistance and advice on admixture selection, evaluation trials and dispensing equipment. Technical data and guidance can be provided for admixtures and other products for use with fresh and hardened concrete.

Properties

Reebol Emulsion Concentrate must be diluted with water before use.

Reebol Emulsion Concentrate is designed for use on surfaces sealed with **Reebol Formcote** and is suitable for use on timber, both plain and polyurethane coated, steel, GRP and other resinous formwork surfaces.

Instruction for Use

Mixing and Dilution

Dilute **Reebol Emulsion Concentrate** with water and stir thoroughly until evenly mixed.

Typical Mixing Ratio:

Reebol Emulsion Concentrate : water = 1 : 10

The dilution should be re-stirred immediately before use. If the dilution is left to stand for a period of days without use then complete re-mixing may be required.

Mould preparation

All moulds, new or used, must be cleaned of surface deposits of rust, concrete, oil or other materials. Inadequate cleaning may lead to surface blemishes due to the adhering material. The use of Fosroc's Acid Etch and Chemical Degreaser will assist the cleaning process.

If only limited use of the formwork is envisaged, new timber moulds may be coated directly with diluted **Reebol Emulsion Concentrate**. If forms are to be regularly re-used then the surface should initially be coated with a suitable polyurethane sealer. This provides increased protection to the timber surface, improves ease of cleaning and prevents the build up of large residual levels of release agent in the timber of the form which may lead, over time, to increased surface dusting or retardation.

Application

Diluted **Reebol Emulsion Concentrate** can be applied by all normal methods, including brush, sponge and conventional spray. Where suitable, spray application is recommended. Allow to dry before casting concrete.

Non absorbent surfaces require a single application. New, unsealed, timber surfaces should be re-coated if delay in use

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of the mould leads to absorption of the release agent into the timber.

Protect coated surfaces from rain which may dilute the emulsion or cause re-emulsification and loss of release.

Coverage rate

Depending on the porosity and texture of the mould surface, typical coverage rates of 3 to 4 m² / liter of diluted material will be obtainable.

Best results will be obtained with the thinnest practical coating. Over application should be avoided. Excessive application on flat surfaces or which leads to pooling of release agent in the corners of forms is uneconomic and can lead to surface dusting or, in worst cases, surface retardation.

After stripping or demoulding

After use, the formwork or mould should be brushed or wiped clean of any excess dust prior to re-application of **Reebol Emulsion Concentrate** for the next use of the mould. The use of **Reebol Emulsion Concentrate** minimises the amount of time and effort required for this process.

Repair of moulds

If, after extended use, mould surfaces require repair or re-coating with polyurethane sealer, all residual traces of **Reebol Emulsion Concentrate** must be removed to ensure complete adhesion. This is best affected by using a strong industrial detergent together with stiff brushing, followed by thorough rinsing with clean water.

Estimating - packaging

Reebol Emulsion Concentrate is available in drum supply. Details of specific packaging volumes are available on request.

Storage

Reebol Emulsion Concentrate has a shelf life of 3 months when stored in the original unopened containers under normal warehouse conditions with temperature 20°C – 35°C.

Precautions

Health and safety

Reebol Emulsion Concentrate contains hydrocarbon oils and should be treated as potentially harmful as there is a possible risk of Irreversible effects in contact with skin. **Reebol Emulsion Concentrate** should not be swallowed or allowed to come into contact with skin and eyes. Avoid inhalation of vapours and ensure adequate ventilation. Wear suitable gloves and eye/face protection.

Should accidental skin contact occur, remove immediately with soap and water - **do not** use solvent.

In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately - **do not** induce vomiting.

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

Fire

Reebol Emulsion Concentrate, before dilution, is flammable. Do not expose to naked flames or other sources of ignition. Flash point <50°C

Cleaning and disposal

Spillages of **Reebol Emulsion Concentrate** should be absorbed onto sand, earth or vermiculite and transferred to suitable containers. Contaminated areas will become slippery. The disposal of excess or waste material should be carried out in accordance with local legislation under the guidance of the local waste regulatory authority.



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