



constructive solutions

Reebol

Chemical mould release agent

Uses

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

Advantages

- Ensure easy release, reducing damage and improving efficiency of production.
- Minimises surface blemishes 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.
- Inhibits corrosion of steel formwork.

Standards compliance

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

Description

Reebol chemical mould release agent is a specifically formulated blend of mineral oils and selected additives. It is supplied as a low viscosity, pale straw coloured liquid.

On the mould, Reebol provides a chemical release action that is superior to that provided by normal oil based release agents (Concrete Society Categories 1 to 4). 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 also minimises damage to form surfaces. Corrosion on steel moulds is reduced. 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

Specific gravity: Typically 0.83 at 20°C.

Reebol 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.

Instructions for use

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 Reebol. 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

Reebol can be applied by all normal methods, including brush, sponge and conventional spray. Where suitable, spray application is recommended.

Non-absorbent surfaces require a single application. New, unsealed, timber surfaces should be re-coated if delay in use of the mould leads to absorption of the release agent in to the timber.

Coverage rate

Depending on the porosity and texture of the mould surface, typical coverage rates of 20 to 60 m² per litre (0.015 to 0.050 litres per m²) 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 de-moulding

After use, the formwork or mould should be brushed or wiped clean of any excess dust prior to re-application of Reebol for the next use of the mould.

Reebol

The use of Reebol 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 must be removed to ensure complete adhesion. This is best effected by using a strong industrial detergent together with stiff brushing, followed by thorough rinsing with clean water.

Limitations

For application temperatures in excess of 60°C refer to the Fosroc Technical Department.

Estimating - packaging

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

UN packaging regulations

To comply with current regulations, all products of a hazardous nature that are involved in a sea crossing as part of the delivery requirements must be packed in United Nations approved receptacles.

When a known sea crossing is involved, whether local to the United Kingdom or for export worldwide, Fosroc will supply in the correct UN packaging. Where Fosroc are only requested to deliver within the United Kingdom mainland, but the purchaser intends to ship on, it is incumbent on the purchaser to specify that UN packaging is required at the time of placing the order. Otherwise, once delivery is received, the responsibility is that of the purchaser.

The use of UN packaging may affect the selling price of products. Refer to the local Fosroc office or representative.

Storage

Reebol has a minimum shelf life of 12 months when stored in the original unopened containers under normal warehouse conditions.

Precautions

Health and safety

Reebol contains hydrocarbon oils and should be treated as potentially harmful as there is a possible risk of irreversible effects in contact with skin. Reebol 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 has a shelf flash point, so the flammability risk is low. Do not expose to naked flames or other sources of ignition.

Flash point: above 60°C.

Cleaning and disposal

Spillages of Reebol should be absorbed onto sand, earth or vermiculate 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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