



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

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

Standards compliance

Reebol complies to category 5: Chemical release agent (Concrete Society: Notes on formwork release agents and coatings. April 1981).

Description

Reebol chemical mould release agent is a specially 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 minimized, reducing surface blemishes and substantially reducing remedial costs.

As well as improving cast concrete surfaces, Reebol also minimizes damage to form surfaces. Corrosion on steel moulds is reduced. On all mould types the easier release and reduced residue minimize 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 offers a comprehensive technical support service to specifiers, end users and contractors. It is also able to offer on-site technical assistance, an AutoCAD facility and dedicated specification assistance in locations all over the world.

Properties

Specific gravity : Typically 0.83 at 20°C

Reebol may be used on suitably sealed timber 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 a proprietary chemical degreaser or acid cleaning with Fosroc Acid Etch*† is recommended.

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 into the timber.

Coverage rate

Depending on the porosity and texture of the mould surface, typical coverage rates of 20 to 60 m²/litre (0.015 to 0.050 litres/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 demoulding

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. The use of Reebol minimizes the amount of time and effort required for this process.

Reebol*

Repair of moulds

If, after extended use, mould surfaces require repair or recoating 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

Supply

Reebol	:	20 & 210 litre drums
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Yield

Reebol	:	20 – 60 m ² /litre
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Storage

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

The Right Chemistry for Construction

Fosroc is one of the world's major manufacturers of advanced technology chemical based products for the construction and refurbishment industries. It operates internationally through a network of operating companies, licensees, distributors and agents.

Having over 70 years experience and using global resources for research and technical development, Fosroc has built a substantial worldwide reputation in manufacturing the most comprehensive range of high performance construction chemicals:

- Concrete admixtures
- Surface treatments
- Grouts and anchors
- Concrete repair
- Industrial flooring
- Protective coatings
- Joint sealants
- Waterproofing
- Adhesives
- F.R.P Structural Strengthening
- Specific building products

* Denotes the trademark of Fosroc International Ltd.

↑ See separate data sheet



Important note

Fosroc products are guaranteed against defective materials and manufacture and are sold subject to its standard Conditions for the Supply of Goods and Service.

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