



constructive solutions

Fosroc 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.
- 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 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 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 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
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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.

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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 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

Supply

Reebol	:	210 litre drums & bulk supply
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Coverage

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.

Additional Information

Fosroc manufactures a wide range of complementary products which include :

- waterproofing membranes & waterstops
- joint sealants & filler boards
- cementitious & epoxy grouts
- specialised flooring materials

Fosroc additionally offers a comprehensive package of products specifically designed for the repair and refurbishment of damaged concrete. Fosroc's 'Systematic Approach' to concrete repair features the following :

- hand-placed repair mortars
- spray grade repair mortars
- fluid micro-concretes
- chemically resistant epoxy mortars
- anti-carbonation/anti-chloride protective coatings
- chemical and abrasion resistant coatings

For further information on any of the above, please consult your local Fosroc office - as below.

* Denotes the trademark of Fosroc International Limited

† See separate data sheet



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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. **All Fosroc datasheets are updated on a regular basis. It is the user's responsibility to obtain the recent version.**

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