

# Reebol Std

## Chemical mould - release agent

### Uses

To provide quick, clean and easy stripping of moulds, and formwork and ensure high quality fair-faced concrete.

### Advantages

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

### Description

Reebol Std is specially formulated blend of mineral oils and chemicals having release properties which are superior to those of a conventional mould oil. The chemicals react with the alkali in the concrete to form a thin water repellent skin on the surface of the mould, thereby enabling easy stripping from concrete and acting as a protection to steel and wooden formwork.

Reebol Std is supplied as a dark greenish-black liquid ready for direct application and use.

### Technical Support

Fosroc provides a technical advisory service supported by a team of specialists in the field.

### Properties

Specific gravity : 0.89 at 27°C

Service temperature: Suitable for use with steam cured concrete.

Formwork surfaces: Equally effective on wood or metal moulds and shutters. Particularly effective on GRP and other resinous coatings including Reebol Std coated wooden surfaces.

Staining : No significant staining observed on normal concrete. However not recommended for use with white cement

Concrete surface quality: In addition to preventing adhesion of the cement paste to the mould or shutter face, Reebol Std allows air, which would otherwise be trapped, to escape from the face when the concrete is being poured and vibrated.

Pockets of air, trapped on the shuttered faces of concrete, are a major cause of imperfections, necessitating remedial work. Reebol Std avoids time and money spent on this.

The chemical reaction between Reebol Std and the cement in a concrete mix produces a strongly hydrophobic surface. This repels surplus water at the interface with the mould and by protecting the concrete from its effects, preserves uniformity of surface texture and colour.

### Re-use of moulds

Due to excellent release properties, little or no deposit of cement paste remains on the shutter surface. Minimum cleaning down and further coat of Reebol Std renders shutters ready for reuse.

### Economic benefits

On account of the high rate of coverage, the applied cost of Reebol Std compares favourable with that of conventional mould oil. Having regard to the technical benefits additionally obtained, the overall economy of using Reebol Std can be significant.

Application instructions

### Preparation of new moulds

No preparation is necessary, but if extensive reuse of timber mould is envisaged, it is advisable to protect all new surfaces with Reebol Std. It protects timber from alkali attack which can result in a very short usable life. For used moulds, all traces of cement must be removed together with any surface deposit of previous oils.

### Coating

Reebol Std can be applied by brush, sponge or conventional mould oil-sprayer. If a mould oil-sprayer is used, care should be taken to ensure that the correct nozzle size is chosen. Stir the contents of the container thoroughly before use. Apply one coat of Reebol Std thinly and evenly over the entire surface. Only the thinnest coating necessary to achieve effective coverage should be applied. Excess application is uneconomical and may lead to surface dusting.

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Wipe or brush off any particles that may remain on the surface and apply one coat of Reebol Std as previously. If it is required to remove Reebol Std completely, a strong industrial detergent should be applied together with stiff brushing and then thoroughly rinsed with clean water.

## Estimating

## Packaging

Reebol Std is supplied in 200 litre drums 20 litre and 5 litre containers.

## Coverage

A coverage between 35 to 40m<sup>2</sup> per litre is possible depending upon the porosity and texture of mould surface. Initial absorption of the material will be high on fresh plywood sheets and coverage will improve on the used shuttering material.

## Storage

## Shelf life

12 months. It must be stirred thoroughly before use.

## Precautions

## Health & safety instructions

Gloves should be worn when handling Reebol Std. Splashes on the skin should be removed with soap and water. Contact with eyes must be avoided and accidental contamination should be washed thoroughly with plenty of water and medical treatment sought immediately. Good ventilation should be ensured and smoking during use is prohibited.

## Fire

Due to the high flash point the flammability risk of Reebol Std is low. Ensure adequate ventilation. Using Reebol Std near naked flame or smoking during use should be avoided.

## Additional information

The Fosroc range of associated products includes high strength cementitious grouts, epoxy grouts, polyester resin based mortar for rapid presetting of steel shims to level or for direct bedding of small base plates; Resin Anchoring systems for same day anchoring of bolts in drilled holes in concrete or rock. Also available are a range of products for use in construction; viz., admixtures, curing compounds, release agents, flooring systems and repair mortars.

Separate datasheets are available on these products.



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