

Reebol Standard

Emulsified mould release agent for concrete and mortar form works

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
- Minimizes surface blemishes and staining, promoting high quality fair-faced concrete
- Reduces opportunity of damage to formwork, extending usable life
- Minimizes cleaning of formwork before reuse
- Suitable for use with all types of formworks such as wood, steel, and plastic.
- Protects steel formworks – resist to corrosion

Description

Reebol Standard is specially formulated blend of mineral oils and chemicals with water having releasing 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 Standard is supplied as a white brownish 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	0.96 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 Standard coated wooden surfaces.
Staining	No significant staining observed on normal concrete. However not recommended for use with white cement

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Concrete surface Quality	In addition to preventing adhesion of the cement paste to the mould or shutter face, Reebol Standard allows air, which would otherwise be trapped, to escape from the face when the concrete is being poured and vibrated.
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Pockets of air, trapped on the shuttered faces of concrete, are a major cause of imperfections, necessitating remedial work. Reebol Standard avoids time and money spent on this.

The chemical reaction between Reebol Standard 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 Standard renders shutters ready for reuse..

Economic benefits

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

Application instructions

Preparation of new moulds

All new surfaces with Reebol Standard, will protect form works 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 Standard 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 Standard 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 Standard as previously. If it is required to remove Reebol Standard completely, a strong industrial detergent should be applied together with stiff brushing and then thoroughly rinsed with clean water

Estimating

Packaging

Reebol Standard is supplied in 200 liter drums 20 liter and 5 liter containers.

Coverage

A coverage for Wooden surface is 35 to 40m² and for steel surface is up to 60 m² per liter 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

Reebol Standard has minimum shelf life of 6 months, when store in original unopened containers under warehouse conditions. It must be stirred thoroughly before use.

Precautions

Health and safety instructions.

Health & safety instructions

Gloves should be worn when handling Reebol Standard. 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. Refer material safety data sheet for additional information. Good ventilation should be ensured.

Fire

Flash Point more than 100°C.

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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Important note :

Fosroc products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Whilst Fosroc endeavours to ensure that any advice, recommendation, specification or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products whether or not in accordance with any advice, specification, recommendation or information given by it.

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