

Super Reebol WB

Shutter Releasing Agent



Technical Data Sheet

Water based formwork and mould release agent

Uses

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

Advantages

- Low cost and economical
- Non-hazardous, non-toxic
- Ensures good fair-faced concrete
- Non-staining
- Minimises cleaning of shutters before re-use
- Can be used on all types of formwork
- Does not rust steel moulds or equipment
- Does not inhibit application of paints etc to finished concrete (field trials should be conducted)

Description

Super Reebol WB is an emulsified blend of mineral oils and non-hazardous chemicals, specially formulated to produce release properties which are superior to those of a conventional mould oil.

Super Reebol WB is supplied as a sprayable white liquid, ready for direct application on site.

The chemically reactive components in Super Reebol WB provide a water repellent interface which protects formwork and ensures an even colour and texture of the cast concrete.

In addition to preventing adhesion of the cement matrix to the formwork, Super Reebol WB will allow air to escape from the interface during concrete placing and vibration. This release of air minimises surface blemishes and results in a substantial reduction in remedial costs.

Properties

Data quoted typical for this product, but does not constitute a specification.

Colour:	White
Specific gravity at 20°C:	0.995
Viscosity at 20°C (Ford Cup A4):	10 seconds
Formwork surfaces:	Super Reebol is designed for use with timber, steel, G.R.P., plasply and other resinous formwork coatings
Non-staining:	Does not stain concrete and can be used safely with white cement
Steam curing:	Super Reebol WB is effective at elevated temperatures and can be used for steam curing at 75°C

Application Instructions

Preparation of new moulds

No preparation is necessary but if extensive re-use of timber moulds is envisaged, it is advisable to protect all new surfaces from alkali attack which can result in a very short usable life. Steel moulds require no special treatment other than the removal of rust or oil, although wetting out may be improved by lightly abrading the surface.

Preparation of used moulds

All traces of adherent material either concrete or previous oil deposits must be removed prior to use.

Moulds previously used with Super Reebol WB will require only light brushing as the presence of fine dust will improve the wetting out properties of Super Reebol WB. This will usually result in improved release properties on the second and subsequent uses of the mould.

Coating

Super Reebol WB can be applied by brush or conventional mould oil sprayer. If a mould oil sprayer is used care should be taken to ensure that a fine nozzle is fitted as Super Reebol WB should be applied in a light continuous film. If Super Reebol WB is over applied, excess material should be allowed to drain and then carefully removed from the bottom of the mould by means of a sponge or cloth. Pools of Super Reebol Water Based should not be allowed to dry otherwise surface retardation of the concrete may occur.

Unlike conventional mould oils, Super Reebol Water Based does not possess residual release properties so it is important prior to each occasion of use, all areas of the mould are re-coated. Particular attention should be paid to coating mould rims in order to avoid adhesion of overspill cement slurry.



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Drying Time

Freshly applied Super Reebol WB is easily removed when wet and should therefore remain undisturbed until completely dry. In hot dry climates drying time may be as little as 10 - 15 minutes, but in conditions of low temperatures and high humidity, 1 - 2 hours might be required. In adverse drying conditions the use of a warm air blower directed onto the mould is strongly recommended. Protection from heavy rainfall subsequent to application is also strongly recommended.

When dry, Super Reebol WB is sufficiently durable to withstand foot traffic, i.e. for the fitting of reinforcement. However, it is important that such access be limited in order to minimise contamination or abrasion of the applied Super Reebol Water Based film.

Cleaning

Should the sprayer be subsequently required for a solvent or oil based product, it is advisable to wash out with clean water and allow to drain. Brushes should be washed well in clean tap water after use.

Supply

Super Reebol WB 20 litre:	FD776086-20L
Super Reebol WB 250 litre :	FD776086-250L

Coverage

Steel:	30 m ² /litre
Coated Form Ply:	20 m ² /litre

Coverage rate is dependent on the porosity of the mould material being used. The coverage rate and the form release properties of Super Reebol Water Based will be reduced if the formwork is of an old/worn nature. 1 litre of Super Reebol Water Based when diluted with 5 litres of water will cover 80 to 160 m² depending upon the nature of the substrate. The highest coverage rate must be aimed for. As a guide : unsealed timber or plywood - 80 to 100 m²/ 6 litres of solution. Steel or sealed (Super Reebol Water Based Formcote coated) plywood - 120 to 160 m²/ 6 litres of solution. If coverage rates are appreciably less than these and satisfactory results are not being achieved, then cover-ages should be increased as close to the higher figure as possible.

Storage

Super Reebol Water Based should be kept in a dry store in the original, unopened packaging.