

# INNORELEASE-SB

## TECHNICAL DATA SHEET



إنوشيم إنترناشونال ش.ذ.م.م

InnoChem International L.L.C.

Waterproofing & Insulation Materials

### Description

INNORELEASE -SB solvent-based 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 , INNORELEASE-SB 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.

### Uses

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

### Advantages

- For quick, clean and easy stripping of moulds and formwork.
- 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

Category 5: Chemical release agent (Concrete Society: Notes on formwork release agents and coatings. April 1981). As well as improving cast concrete surfaces, INNORELEASE-SB 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.

### Properties

**Specific gravity:** 0.83 at 20°C

INNORELEASE-SB 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. If only limited use of the formwork is envisaged, new timber moulds may be coated directly with INNORELEASE-SB. 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

INNORELEASE-SB 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.



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### Coverage rate

Depending on the porosity and texture of the mould surface, typical coverage rates of 20-60 m<sup>2</sup>/ ltr. 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 INNORELEASE -SB for the next use of the mould . The use of INNORELEASE-SB minimizes 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 INNORELEASE -SB 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.

### Packing

210 liter drums & bulk supply

### Coverage

20-60 m<sup>2</sup>/liter

### Storage

INNORELEASE -SB has a minimum shelf life of 12 months when stored in the original unopened containers under normal warehouse

### Quality Matter

All products originating from INNOCHEMINTERNATIONAL LLC are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9000, ISO 14001 and OHSAS 18001.

### Information

INNOCHEMINTERNATIONAL LLC products are guaranteed against defective materials and are sold subject to standard terms and condition of sale, copies of which are available on request which are reasonable care it's taken compiling this technical data sheet, all recommendations regarding the use of product are made without guarantee since the conditions are use the beyond the company' direct control. It is the customer responsibility to satisfy themselves that each product is fit for the purpose for which they indent to use it.

