

Product Data Sheet

CasTech Rel SB

Nov-2025, Ver. 01.01



Solvent Based Chemical Release Agent

DESCRIPTION

CasTech Rel SB is a solvent based mould release agent for concrete formwork. It is supplied as a low viscosity amber coloured liquid.

TYPICAL USES

- Precast concrete industry
- Release agent for plywood, timber, steel and plastic shuttering
- Concrete laboratory moulds

ADVANTAGES

Key advantages:

- Suitable for all types of formwork
- Protects steel from corrosion
- Non staining
- Minimizes form stripping time
- Maximizes life of formwork

TYPICAL PROPERTIES

Form	Liquid
Colour	Amber
Specific Gravity (ASTM D 1475)	0.82 ± 0.02
Flash Point	66°C

ACTION

CasTech Rel SB reacts chemically with cement to impart excellent release properties to treated surfaces. Concrete cast against surfaces coated with **CasTech Rel SB** exhibits a smooth, hard, uniform finish. **CasTech Rel SB** has no negative effect on the properties of concrete, nor will it impair the adhesion of subsequent surface treatments when applied at the recommended coverage rates.

SURFACE PREPARATION

All moulds must be dry, clean and free from rust, concrete, oil or other materials prior to application of **CasTech Rel SB**. Moulds should be protected from dust storm or rain during application.

APPLICATION

CasTech Rel SB can be applied by all manual methods including brush, roller or spray, or using a cloth wetted with the material. Apply in a continuous even film as thinly as possible, using a suitable nozzle size when spraying. Avoid excessive amounts to prevent surface dusting and sagging. Concrete can be cast immediately after application or several days later; however, moulds or formwork with absorbent surfaces must be re-coated if casting takes place after more than three days.

DEMOULDING

After use, the formwork or mould should be brushed or wiped clean of any excess dust prior to re-application of **CasTech Rel SB** for the next use of the mould.

COVERAGE

The coverage rate for **CasTech Rel SB** is 30 to 70 m²/litre when spray applied, depending on the smoothness and porosity of the formwork used.

EQUIPMENT CARE

CasTech Rel SB may usually be left in spray guns or sprayers without detriment, but with certain types there may be some softening of rubber seals with prolonged contact.

PACKAGING

20 litre pails and 200 litre drums.

STORAGE AND SHELF LIFE

Store under cover, out of direct sunlight and protect from extremes of temperature. Storage life is up to 12 months when stored in unopened containers as above.

HEALTH AND SAFETY

PPE: Suitable protective goggles, gloves and mask must be worn.

Precautions: In case of contact with eyes, rinse immediately with plenty of water; in case of contact with skin, wash off immediately with soap and water. If swallowed, seek medical attention immediately.

Hazard: Regarded as non-hazardous for transportation.

Disposal: Do not reuse containers. Dispose of as per local rules and regulations.

Additional information: Refer to MSDS (available on request).

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TECHNICAL SUPPORT

CasTech provides on-site assistance and consulting services on

projects when requested. Technical data sheets on other CasTech products and guidance on their use are available on request.

CasTech MIDDLE EAST FZE

T6-04, Sharjah Airport Free Zone, Sharjah, UAE

P.O. Box: 121661 Tel.: +971-6-5489207

Fax: +971-6-5579879 Email: info@castechchem.com