

## Product Data Sheet

### CasTech Rel VB

Nov-2025, Ver. 01.01

# Vegetable Oil Based Chemical Release Agent

## DESCRIPTION

CasTech Rel VB is a ready to use, biodegradable release agent based on vegetable oils. It ensures high quality, fair faced and stain free concrete with excellent surface finish.

CasTech Rel VB contains corrosion inhibitors.

## Typical Uses

Pre-cast concrete

- Release agent for plywood, timber, steel, metal, rubber, wood and plastic shuttering.
- Concrete laboratory cube moulds.

## Advantages

- Used for direct and delayed release for all type of concrete
- Solvent Free, does not contain diesel oil, kerosene, waxes or silicone.
- Excellent surface finish
- Protects steel forms from corrosion
- Prevent blowholes, pinholes, bug holes & air voids.

## TYPICAL PROPERTIES

|                         |                 |
|-------------------------|-----------------|
| Consistence             | Liquid          |
| Colour                  | Milky White     |
| Specific Gravity        | 0.99±0.02@ 25°C |
| Application Temperature | +10°C-+50°C     |

## Action

CasTech Rel VB reacts chemically with cement to impart excellent release properties to treated surfaces. Concrete cast against surfaces coated with CasTech Rel VB exhibit a smooth, hard, uniform finish. CasTech Rel VB 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.

## Packaging

20 liters pail and 200 liters drums.

## Surface Preparation

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

## Application

CasTech Rel VB can be applied by all manual methods including brush, roller or spray. It could be applied using cloth wetted with the material. CasTech Rel VB should be applied in a continuous even film as thinly as possible. Use a suitable nozzle size when a sprayer is used. Avoid applying in 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 take 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 VB for the next use of the mould.

## Coverage

The coverage rate for CasTech Rel VB is 30 to 70 m<sup>2</sup>/liter when spray applied depending on smoothness and porosity of the formwork used.

## Equipment Care

CasTech Rel VB 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.

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#### Storage and Shelf Life

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

#### Health and Safety

PPE's: Suitable protective goggles and gloves & mask must be worn.

**Precautions:** Contact with eyes, rinse immediately with plenty of water and when contact with skin, wash off immediately with soap & water.

If swallowed seek medical attention immediately.

Hazard: Regarded as non-hazardous for transportation.

Disposal: Do not reuse containers. To be disposed off as per local rules and regulations.

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

#### 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.

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