

TECHNICAL DATA SHEET

FORM RELEASE

Chemical release agent for concrete

DESCRIPTION

Form Release is a chemical release agent that produces an excellent finish on precast concrete components. RB 7.18 has been designed to work as a bond breaker between moulds or formwork and freshly placed concrete. This product is New Zealand's #1 concrete release agent and is supplied to over 60% of Precast Yards in the country.





SPECIAL PROPERTIES

- Provides a clean and easy release or “strike” without damage to either the concrete face or form.
- Provides protection to timber formwork, impregnating and rendering it waterproof and resistant to rot.
- In the case of steel moulds regular use will inhibit rust.
- Has no adverse effect upon the form or the concrete surface.
- Allows for fast turnaround and very cost effective.

USES

Form Release is effective on most types of moulds and formwork (including steel, timber and fibreglass) as well as being suitable as a panel bondbreaker for tilt slab construction. While Form Release is generally used for tilt slab construction, at colder temperatures it is more advisable to use Tilt Release for this application.

APPLICATION INSTRUCTIONS

- Form Release is supplied ready for use from containers without site mixing and should not be diluted.
- Surfaces to be coated should be clean and free from grease or dirt, and all concrete residue from past pours should be removed.
- The best method of application is by ‘fine mist’ sprayer, however, a sponge, brush or roller can also be used.
- RB 7.18 should be applied at the coverage rates stated on this technical data sheet.
- A thin and even film of release agent should cover the entire surface of the mould or formwork.
- Any excess release agent remaining on the surface after application should be wiped off with a rag or squeegee.
- Remember the Golden Rule.... Less Is Best!
- For best results allow 1-2 hours to dry before pouring the concrete.

PACKAGING

Form Release is available in 20 Litre, 200 litre and 1000 litre units.

IMPORTANT NOTES

If Form Release is applied too thick, an excess of fatty acid remains, and dusting of concrete can occur. Remember you only need a fine film. The golden rule is 'less is best'. When used on formwork and as a panel bondbreaker, these areas should not be left exposed to harsh weather for long periods- 5-7 days depending on conditions. If this occurs it is essential to recoat the complete working area with a fine coating of Form Release.

If re-coated as a panel bondbreaker, remove the steel reinforcement prior to the recoating of the slab area. Replace the steel and proceed as normal. New timber surfaces may need 2-3 coats due to the porosity of some timbers. In cold weather and where product may have been subject to temperatures below 4 degrees Celsius containers should be shaken before use.

Rockbond Form Release (RB7.18) can have a detrimental effect on Rubber and Polystyrene and tests should be undertaken where mould components consist of these products. Some clear anti-graffiti paints will tend to highlight barely visible surface differences caused by the application method of release agents and other factors. We suggest that when this type of paint is to be used that the concrete is primed with a pigmented product first.

HEALTH AND SAFETY

Rockbond Specials Products are generally harmless, provided normal precautions are taken when handling chemicals. Avoid contact with foodstuffs and utensils. Avoid prolonged skin contact. Wear protective clothing, gloves, goggles etc. In the event of contamination wash thoroughly with water. If the eyes or mouth are affected wash with clean water and obtain medical attention.

TECHNICAL DATA

COLOUR:	Amber
SPECIFIC GRAVITY:	0.80 - 0.90 kg/Litre
FLASH POINT:	75°C
VISCOSITY:	Low (sprayed)
TOXICITY:	Non-Toxic
DG CLASSIFICATION:	Non-Hazardous
SHELF LIFE:	In unopened containers
COVERAGE RATE:	Timber: Up to 19 m ² /Litre Steel: Up to 30 m ² /Litre Concrete: Approx 8 m ² /Litre

TECHNICAL INFORMATION

Should you have any queries, or require further information, please contact our **Technical Sales Team: +64 4 568 5401**