

TECHNICAL DATA SHEET

TILT RELEASE

Chemical Bond Breaker for Tilt Slab Construction

DESCRIPTION

Rockbond Tilt Release (RB 7.21) is a general-purpose bond breaker that has been designed for tilt slab construction and other applications where concrete is poured on to concrete. The chemically active ingredient contains fatty acids and these weak acids react slowly with the alkalies in cement to produce water-insoluble soaps.

When applied at the recommended dosage, the release agents leave a dry film on the surface of the concrete, which becomes the release agent. Tilt Release has been used for tilt slab construction on hundreds of projects around New Zealand and is stocked in 20lt, 200lt or 1000lt options.





SPECIAL PROPERTIES

- Provides a clean and easy release or “strike” without damage to either the concrete face or bed.
- Has no adverse effect upon the concrete bed or the concrete surface.
- Will withstand light showers of rain. (However, if a substantial rain falls, reapply and if in doubt reapply)

USES

- Rockbond Tilt Release (RB 7.21) is an effective panel bond breaker for tilt slab construction.
- While Tilt Release (RB 7.21) is an effective panel bond breaker in hot weather it is advisable to use Rockbond Form Release (RB 7.18) for tilt slab construction.
- Used for sandwich manufacture of precast components.

MIXING INSTRUCTIONS

Rockbond Tilt Release (RB 7.21) is supplied ready for use from containers without site mixing and should not be diluted.

PACKAGING AND SIZE

Rockbond Tilt Release (RB 7.21) is available in 20 Litre and 200 litre non-refundable containers and 1000 litre returnable IBC's.

APPLICATION PROCEDURE

Surfaces to be coated should be clean, free from grease, dirt or old concrete.

The preferred method of application is by spraying. This method ensures that the expected rate of coverage will be obtained. Brush or roller application may be applied but any excess material be brushed out to obtain a thin and even film over the entire surface. Tilt Release should be applied at a rate on 6-8m²/lt.

Allow 1-3 hours to dry before pouring the concrete.

HEALTH AND SAFETY

Rockbond 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.

IMPORTANT NOTES

When used on concrete beds and as a panel bond-breaker, these areas should not be left exposed to harsh weather for long periods- 5-7 days depending on conditions. It is essential to re-coat the complete working area with a further coating of Rockbond Tilt Release (RB 7.21) only after if this occurs. When re-used as a panel bond-breaker, remove the steel reinforcement prior to the re-coating of the slab area. Replace the steel and proceed as normal.

Over application of Rockbond Tilt Release (RB 7.21) may result in slight surface retardation and dusting especially in hot weather. Tilt Release (RB 7.21) 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

When the concrete bed is fresh concrete and/or when pouring a number of panels consecutively on top of one another, it is important that one coat of is applied at approx. 6m²/lt once concrete is set and a further light coat is applied before steel reinforcing is placed.

To test whether sufficient product is applied, sprinkle a hand full of water on to the bed, If water doesn't bead on the surface reapply Tilt Release (RB 7.21)

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:	Unlimited in unopened original containers.
COVERAGE RATE:	Approx 6-8m ² /Litres

TECHNICAL INFORMATION

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