

TECHNICAL DATA SHEET

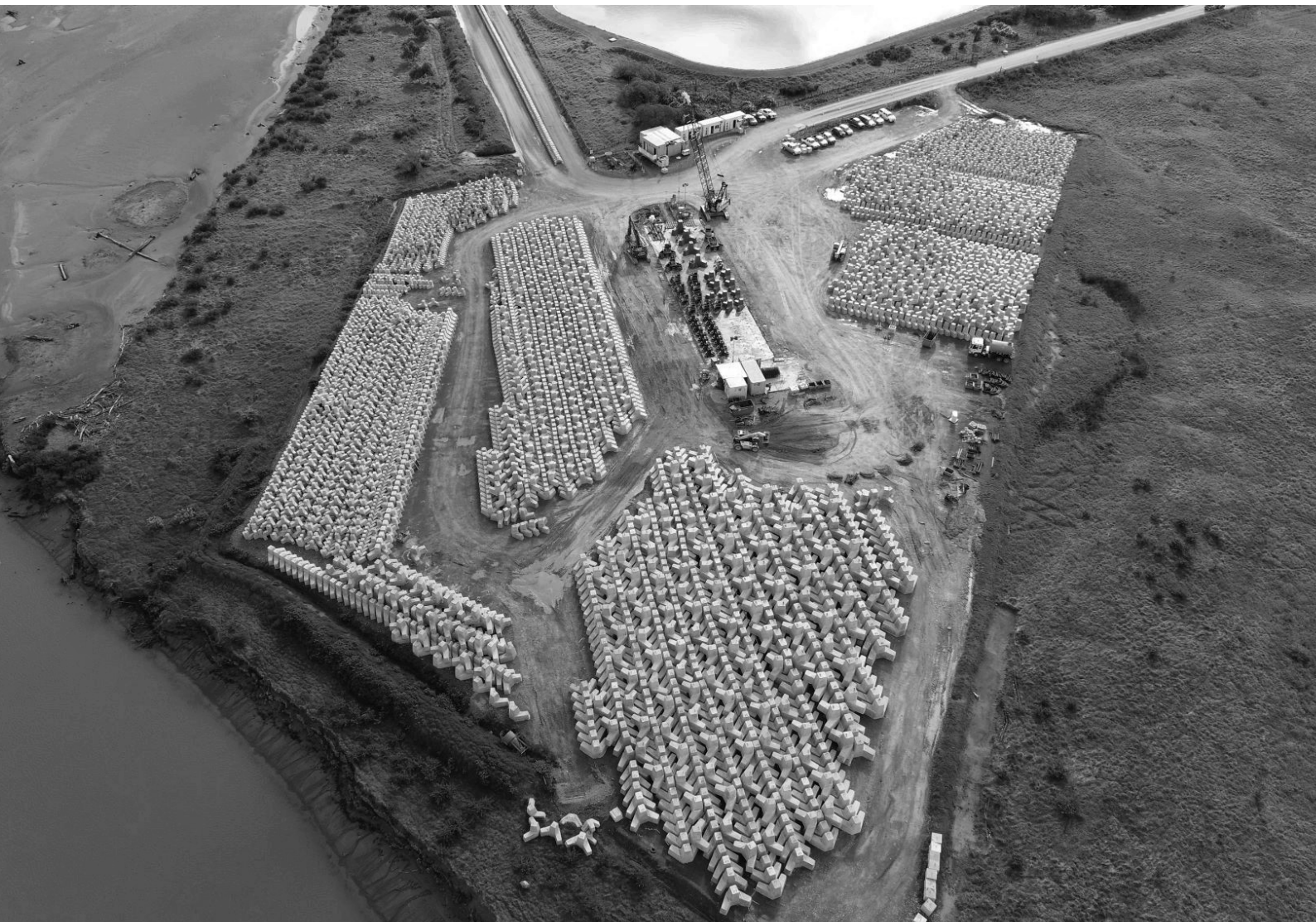
BIO-LEASE

Environmentally friendly release agent

DESCRIPTION

Rockbond Bio-Lease (RB 7.30) is an environmentally friendly, sustainably produced general purpose release agent. The active ingredient is from a vegetable source and contains fatty acids and these weak acids react slowly with the alkalis in cement to produce water-insoluble soaps. Bio-Lease uses as a carrier, NZ made 100% Biodiesel, which is manufactured using only vegetable-based oils, is fully biodegradable and is not aqua-toxic.

When applied at the recommended dosage, vegetable acid-based release agents, suspended in biodiesel, leave a dry film on the surface of the concrete, which becomes the release agent.





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.
- Safer than traditional release agents. Flash point of over 150°C
- Environmentally friendly and biodegradable. Far safer than traditional release agents in the event of accidental spills affecting waterways and ground water.

USES

Rockbond Bio-Lease (RB 7.30) is effective on all types of moulds and formwork as well as being suitable as a panel bondbreaker for tilt slab construction.

PACKAGING

Rockbond Bio-Lease (RB 7.30) is available in 20 Litre and 200 litre non-refundable containers and 1000 litre returnable pods.

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. Allow 1-4 hours to dry before pouring the concrete.

IMPORTANT NOTES

If Rockbond Bio-Lease (RB 7.30) is applied too thick, an excess of fatty acid remains, and dusting of concrete can occur. Remember you only need a fine film.

When used on formwork and as a panel bondbreaker, these areas should not be left exposed to harsh weather for long periods– 2-3 days depending on conditions. It is essential to recoat the complete working area with a fine coating of Rockbond Bio-Lease (RB 7.30) only after if this occurs.

MIXING INSTRUCTIONS CONT.

When re-used 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.

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.

Rockbond Bio-Lease (RB 7.30) can have a detrimental effect on Rubber and Polystyrene and tests should be undertaken where mould components consist of these products.

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.

TECHNICAL DATA

COLOUR: Gold through to dark amber

SPECIFIC GRAVITY: 0.80-0.90 kg/litre

FLASH POINT: >150°C

VISCOSITY: Low (Sprayed)

TOXICITY: Non-Toxic

DG CLASSIFICATION: Non-Hazardous

SHELF LIFE: 6 months in unopened original containers

COVERAGE RATE: Timber: Up to 15 m²/Litre

Steel: Up to 25 m²/Litre

Concrete: Approx 8 m²/Litre

TECHNICAL INFORMATION

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