



## Pre-mix Mold Release Agent



### CONSTRUCTION RA135 Pre-Mix Mold Release Agent

Concrete Release Agent  
Natural Lanolin Derivatives  
Quality Finish  
Improved Flow Rate  
Easy Release of Molds  
Quick Clean-up Time  
Environmentally Safe



NATURAL PRODUCTS WITH COUNTLESS SOLUTIONS







# CONSTRUCTION RA135

## Pre-Mix Mold release agent, Improved Release and Mold Lubricity

A natural lanolin based liquid coating designed for use as a mold release agent on form surfaces, pre mixed with water and added bactericide. Provides a barrier as a means of separation between the form work and the concrete, with low suction between panels. It improves process characteristics such as the flow rate of the material being molded within the mold cavity, molding cycle times and release ease. Can be used on steel, timber, plywood, PVC, rubber, polypropylene, plastic & fiberglass. It provides a clean positive release, does not interfere with the surface detail, helps minimise "bug holes" and air bubbles in the finished casting.

### FEATURES

- Acid, Alkali & Salt resistant
- Class, Non-Hazardous
- Low VOC emissions
- Contains bactericide to halt algae growth
- Non-Toxic
- Eco Friendly
- Derived from sustainable resources
- Safe to use, store and dispose



### APPLICATIONS

- Form Work
- Pre Cast Molds
- Tilt Panel Bond Breaker

### BENEFITS

- Reactive barrier coating with no petroleum or vegetable oil content. Forms an interface between the form and the concrete.
- High release ease, low scrape rates, cleaner molds all result in less downtime.
- Clean positive release, does not interfere with the surface detail.
- Helps minimise bug holes and air bubbles in the final casting saving rework time.
- Contains no oils that will cause rubber molds to expand or contract.
- Optimum surface wetting properties to cover the toughest mold geometrics.
- Simplifies form cleaning and lengthens the working life of forms by protecting the form surface with a natural barrier.
- Lubricates and protects all formwork metal fittings from corrosion. Especially suitable for preventing salt and acid corrosion.
- Eco-friendly, can be used around waterways in all environments with confidence.
- Available in concentrate - to mix on site - or premixed for immediate use.



## APPLICATION

It is recommended that Construction RA135 be spray applied. The finished sprayed coat should be no more than 0.6 micron film thickness.

Do not allow to pool, soak up any excess before the pour- Less is best.

Coverage is approx 20-25 m<sup>2</sup> per litre of mixed product.

Construction RA135 does not contain fatty acids and will not react with brass, bronze, aluminium, grey ductile, malleable iron and mild steel

## MOLD SURFACE PREPARATION

Once the form has been properly cleaned and coated with release agent, minimise the the potential for dust and debris to collect on the from before casting.

The choice of mold release agent also effects the finish characteristics of the concrete e.g. gloss level, accurate texture reproduction and post mold operations.

## RISK REDUCTION

When applied at the correct thickness Construction RA135 is less likely to result in concrete staining and bug holes due to superior binding to the form.



FINISHED SLAB



FINISHED SURFACE



## FORM-WORK MAINTENANCE

After cleaning keep forms protected by spraying with Construction RA135 to prevent de-lamination of plywood and corrosion of steel. Always lubricate the the edges using a light coating of Construction RA130 Concentrate. Where steel forms and fittings are being stored outside for 3-12 months coat with Lanoseal LS773 for additional corrosion protection.



**FOR FULL DETAILS ON PREPARATION, APPLICATION AND REAPPLICATION PLEASE REFER TO THE LANTOS MOLD RELEASE AGENT BOOK AND/OR PRODUCT DATA SHEETS (PDS) FOUND ON OUR WEBSITE [www.lantoscoatings.com](http://www.lantoscoatings.com)**

#### **PREPARATION:**

Product is ready to use, no dilution is required.  
Shake 20L container before use or decanting.  
Agitate 200L drum with mechanical stirrer or air hose system before use or decanting.  
Ensure form surface is clean and dry.  
Pre-Mix Construction RA135 can be applied after setting polystyrene block outs.

#### **APPLICATION:**

For best results it is recommended that Pre-Mix Construction RA135 be applied by spray application  
Coverage rate is approximately 20-25m<sup>2</sup> per litre  
Only a very fine mist is required  
For pre cast on steel beds apply 2 x fine diagonal coats  
For form-work, ensure a light and even coverage. Only one coat is required



#### **DO NOT OVER APPLY - LESS IS BEST**

Continued use on form work leaves surface clean after stripping; no cleaning required between pours, simply spray, pour, strip and repeat.

When using as a bond breaker, apply to the top of cured panel in 2 even diagonal opposing coats.  
In extreme heat, the panels can be sprayed with water before RA135 is applied, this reduces the amount of Pre-Mix Construction RA135 absorbed by the cured panel

<b>Construction RA135 PRE-MIX Physical Characteristics (Typical)</b>	
Appearance	Transparent, dark brown, mobile fluid
Boiling Point/Range (°C):	> 250
Flash Point (°C):	> 125
Specific Gravity/Density (g/ml @ 15°C):	90
pH:	Neutral
Chemical Stability:	Stable at room temperature and pressure
Reactivity:	Excessive heat, oxidising agents, mineral acids, strong alkalis

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