



## CONSTRUCTION RA130

CONCENTRATE MOLD RELEASE AGENT

**Natural Lanolin Derivatives**  
**Multiple Mold Types**  
**Easy Flow Rate**  
**Clean Positive Release**  
**Minimal Bug Holes**  
**Minimal Air Bubbles**  
**Clean Finish**  
**Reduced Clean Up Time**  
**Environmentally Safe**



**NATURAL PRODUCTS WITH COUNTLESS SOLUTIONS**





# CONSTRUCTION RA130

## Concentrated Mold release agent for Improved release and Lubricity

A natural lanolin based liquid coating designed for use as a mold release agent on form surfaces. 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 & fibreglass. 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
- 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 form work 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 RA130 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 RA130 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 potential for dust and debris to collect on the form 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 RA130 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 RA130 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.



*All Lantos Coatings products, are derivatives derived from natural, sustainable ingredients,*

#### PREPARATION:

Before dispensing, shake container or stir thoroughly with a drill mixer, set on slow speed for uniform consistency.

Construction RA130 Concentrate can be used

- straight on or
- diluted with 1:6 parts water for concrete form work
- 1:4 mix parts of water for lubricating jacks and fittings, to protect against over-spray adhesion.

Mix only the amount needed for one day as mixture may separate after 24hrs.

Coverage: approx 20-25 sqm of mixed product.

Shelf Life - 18 months if kept sealed in reasonable conditions.

#### APPLICATION:

- Coat mold surfaces with a very thin film of Construction RA130
- Apply using a Spray unit, brush or roller. (best results using a fine spray head unit)
- When using as a bond breaker, apply to the top of cured panel in 2 even diagonal opposing coats
- Do not allow release agent to pool in the mold
- Wipe over mold surface using a clean mop or soft cloth to remove any excess release agent



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

Applying too much release agent will cause air bubbles "worm tracks", "bug holes" or pitting on surfaces. The use of diluted Construction C130 lightly sprayed on exterior mold, jacks and fittings will aid in cleaning over-spray.

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)

#### RA130 Physical Characteristics (Typical)

|   |   |
|---|---|
| Appearance                              | Transparent, dark brown, mobile fluid                           |
| Boiling Point/Range (°C):               | > 250   |
| Flash Point (°C):                       | 125   |
| Specific Gravity/Density (g/ml @ 15°C): | 0.90  |
| pH:                                     | Neutral   |
| Chemical Stability:                     | Stable at room temperature and pressure                         |
| Reactivity:                             | Excessive heat, oxidising agents, mineral acids, strong alkalis |

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