



# Pieri® Cire LM-33

(formerly LM 21 Wax)

## Solid release wax for architectural concrete

### Description

Solid release wax that ensures a high quality architectural concrete surface finish.

Forms a thin waxy coat on forms, that is resistant to rain and excessive concrete abrasion.

Pieri® Cire LM-33 facilitates a uniform concrete flow across the form surface and so suppresses the formation of bubbles on a stain free surface.

### Applications

Pieri Cire LM-33 can be used on all types of moulds: plywood (plastic coated or varnished), wood, plastic, rubber, polystyrene, steel, alloy or concrete, etc.

Performs equally as well with grey, white, or coloured concrete. Can be used in cold or hot concreting processes or climates.

Pieri Cire LM-33 provides exceptional release properties, especially for "difficult" pieces: fluting, caisson, delayed stripping applications etc.

### Directions for use

Must be applied with a rag, sponge or mop.

Only a very thin wax film is required on the mould, enough to polish it.

The application rate is about 120 m<sup>2</sup>/kg on smooth sheeting.

Its approximate 35°C melting point results in product softening in the summer, in the container or on the mould. This does not affect its releasing properties.

### Technical Specifications

- White non sticking pasty wax.
- Melting point about 35 °C ± 5°C.
- Can be used at low temperatures.
- Non-flammable.

Does not affect catching wrench of plaster coats, rough-casting and paints. CEBTP test report N° 1820 and 1851.

### Storage

5 years in unopened original packaging.  
Pieri Cire LM-33 can be stored virtually anywhere without risk of deterioration.

Neutral and non-toxic, it is very safe to use.

### Packaging

18 kg tub.

### Safety

Not regulated.  
For further information, consult our Safety Data Sheet.

### Transport

Not regulated.

 Visit our web site at: [www.graceconstruction.com](http://www.graceconstruction.com)

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Construction Products

# Cire LM-33 Wax Solid Release Wax for Architectural Concrete

## Application Notes

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This information has been written and translated most carefully from results of tests done in our laboratories and on site. This information is not a guarantee or pledge of our responsibility.

Users must perform their own tests to verify that use conditions of our products are satisfactory to them



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## **Cire LM-33 ARCHITECTURAL MOULD RELEASE AGENT**

A high performance release wax for all types of concrete and moulds. Specially developed for Precast and Civil Engineering applications.

Cire LM-33 facilitates a uniform concrete flow across form surfaces and suppresses the formation of air voids ensuring high quality architectural, sound and durable concrete finishes, even in the most difficult of casting conditions.

### **ADVANTAGES**

- A ready to use, thixotropic product.
- Superb release properties ideal for difficult formwork. i.e. grooves, patterns and caissons.
- Non toxic, neutral and completely safe to handle.
- Mould cleaning eliminated and rusting prevented.
- Resistant to rain, concrete abrasion and trafficking.
- Temperature stable; suitable for warm climates, hot concretes, heated mould systems and low temperature use.
- Highly adaptable can be used on most form materials including. Concrete (countercasting) Steel, Alloys, Plastics, Rubbers, Polystyrene and Timber or Plyform sealed or unsealed.
- For instant or extended delay in stripping time (months).
- Suitable for use with most types of concrete including those with replacement materials , (PFA, GGBS) and Pigments, Polymer or Micro-silicate addition
- Safe storage and use, without risk of deterioration.
- Tested for subsequent concrete treatments such as sealers, coatings, paints, renders and adhesives
- Economical in use, polished thin film application up to 100 m<sup>2</sup> per kg.

## **APPLICATION INSTRUCTIONS**

Apply to clean form surfaces by rags sponge or with a 'o' cedar sweeper. Only a thin film is required to polish the mould surface prior to casting. Do not use in conjunction with any other release agents, Cire LM-33 wax is a completely intergrated release system.

If applying to concrete (counter cast segment) apply as thinly as possible removing any excess material but always ensure all the casting area is completely treated.

At the melting point of 35°C approximately, softening of Cire LM-33 will occur in the container and on the mould, this will not effect the release performance.

For new steel moulds, initially treat with two thin coats of Cire LM-33 (within 5 minutes) ensuring complete coverage. For new unsealed timber moulds, apply two thicker coats of Cire LM-33 to ensure total impregnation.

If Cire LM-33 wax is over applied and residual material has to be removed from the cast surface before it naturally degrades, use a degreasant which will emulsify in conjunction with a water wash.

Cire LM-33 wax naturally degrades after use due to it's physical and chemical reaction with concrete so subsequent treatments, adhesives or protective coatings can be applied after a suitable exposure and degradation period. Please contact Technical Department for recommendations and test certificates

Cire LM-33 wax with its unique properties can be used where greatly extended 'stripping times' are involved i.e. for several months and in difficult areas of release or "safety risk" i.e., tunnels, mines, enclosed casting areas.

### **TECHNICAL SPECIFICATION**

A non sticking thixotropic wax  
Melting point approximately 350C  
Can be utilised at low  
temperature

### **STORAGE**

Unlimited in closed original container Cire  
LM-33 Wax can be stored anywhere  
without risk of deterioration.

### **PACKAGING**

18kg Pail

### **TRANSPORT**

Not regulated

### **SAFETY**

Not regulated