

# MasterFinish RL 211

**A water emulsion form release agent for elements where excellent surface finish is of importance**

## DESCRIPTION

MasterFinish RL 211 is a ready-to-use water emulsion based on non-toxic, non-irritant, vegetable oils. It is readily biodegradable according to OECD Guideline 301.

MasterFinish RL 211 has been specially formulated to give an easy and complete release of the concrete from the forms and a significantly improved quality of the concrete surface which is smooth, homogeneous and free of pin-holes.

## FIELDS OF APPLICATION

MasterFinish RL 211 may be applied on wood, metal, polyester or plywood molds, where excellent surface finish and optimum release are required.

## FEATURES AND BENEFITS

MasterFinish RL 211 gives an improved exposed surface of concrete economically by reducing the application time, quicker stripping, easier and faster cleaning of the forms and increased life of the formworks.

It is safe and eliminates many health and environmental risks as compared to the traditional form release agents based on mineral oils and thus can be used with the maximum confidence by the workers on the job site.

- Readily biodegradable (according to OECD Guideline 301)
- Ready-to-use
- Solvent-free
- Based on vegetable oils
- For excellent surface finish
- For all types of concrete
- For normal or delayed stripping

## APPLICATION PROCEDURE

MasterFinish RL 211 is a ready-to-use product that can be applied either by a sprayer, brush or a roller on any type of forms except rubber lined forms. The spray application of MasterFinish RL 211 should be carefully carried out in order to achieve a satisfactory coverage.

The spraying should be done at a suitable distance from the mould (approx. 50 - 100 cm) so that the release agent is evenly distributed in a uniform film thickness. During spraying, it is critical that the spraying pressure is adequately high (2 - 4 bars) and that the gun, especially the nozzle is completely tight in order to avoid dripping.

When spraying with a portable handgun, a slit nozzle with a spraying angle from 65 to 80° has been found to give the best results.

## COMPATIBILITY

MasterFinish RL 211 can be used with all types of forms except rubber lined forms. MasterFinish RL 211 must not be mixed with other products

## COVERAGE

The coverage of MasterFinish RL 211 depends upon the application method. If applied uniformly by a sprayer at a constant pressure of 4 bars on metallic or on impervious material the coverage rate is 60 - 100 m<sup>2</sup>/liter.

## PACKAGING

MasterFinish RL 211 is available in 1000-litre IBC's, 208-litre drums and 25-litre containers.

## CONTACT DETAILS

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Product Data	
Appearance:	White liquid emulsion
Specific gravity @ 20°C:	Approx. 0.970 g/cm <sup>3</sup>
Form temperature	From 0°C up to 60°C
Viscosity @ 20°C	5.5 – 7.5 cP
Logistics	
Shelf life:	9 months if stored according to manufacturer's instructions in unopened container.
Storage conditions:	Store in original sealed containers and at temperatures between 5°C and 30°C. Store under cover, out of direct sunlight and protect from extremes of temperature. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging.
Handling and transportation:	Refer to MasterFinish RL 211 Safety Data Sheet
Disposal:	Refer to MasterFinish RL 211 Safety Data Sheet

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## Health and Safety

\*For full information on Health and Safety matters regarding this product the relevant Health and Safety Data Sheet should be consulted.

The following general comments apply to all products.

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs, (which may also be tainted with vapour until the product is fully cured and dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Keep away from children and animals. Reseal containers after use.

## Spillage

Chemical products can cause damage; clean spillage immediately.

## DISCLAIMER

"BASF plc, Construction Chemicals" (the Company) endeavours to ensure that advice and information given in Product Data Sheets, Method Statements and Material Safety Data Sheets (all known as Product Literature) is accurate and correct. However, the Company has no control over the selection of its products for particular applications. It is important that any prospective customer, user or specifier, satisfies him/her-self that the product is suitable for the specific application. In this process, due regard should be taken of the nature and composition of the background/base and the ambient conditions both at the time of laying/applying/installing the material and when the completed work is to be brought into use.

Accordingly, no liability will be accepted by the Company for the selection, by others, of a product, which is inappropriate to a particular application.

Products are sold subject to the Company's standard conditions of sale and all customers, users and specifiers, should ensure that they examine the Company's latest Product Literature.