

# MasterFinish RL 301

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**Vegetable and mineral oil based form release agent for aesthetic surface**

## DESCRIPTION

MasterFinish RL 301 is a ready-to-use water emulsion based on non-toxic, non-irritant, and vegetable and mineral oils.

MasterFinish RL 301 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 301 may be applied on wood, metal, polyester or plywood molds, where excellent surface finish and optimum release are required.

## FEATURES and BENEFITS

MasterFinish RL 301 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 and thus can be used with the maximum confidence by the workers on the job site.

- Enables easy stripping of form and reduces cleaning of form by reducing adhesion between form and concrete.
- Extends usage period of the form.
- Highly reduces holes and surface errors on concrete surface, enables obtaining aesthetic surfaces.
- Reduces corrosion risk on the form.
- Eliminates environment and health risks
- Does not cause stains or color differences on concrete surface.
- Suitable for steam cure.

## APPLICATION PROCEDURE

MasterFinish RL 301 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 301 should be carefully carried out in order to achieve a satisfactory coverage.

The spraying should be done at a suitable distance from the mold (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 (5 - 6 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 301 can be used with all types of forms except rubber lined forms. MasterFinish RL 301 must not be mixed with other products.

## DOSAGE

The coverage of MasterFinish RL 301 depends upon the application method. If applied uniformly by a sprayer at a constant pressure of 6 bars on metallic or on impervious material the coverage rate is 30 – 50 m<sup>2</sup>/liter. When it is applied by roll, coverage rate is 25 m<sup>2</sup>/liter.

## PACKAGING

MasterFinish RL 301 is available in 200-kg drums and 25-kg canes.

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Product Data	
Structure of the Material	Vegetable oil Emulsion
Appearance	White liquid emulsion
Specific gravity @ 20°C	0.9 – 1.0 kg/l
pH-value	7 - 8
Viscosity	
Logistics	
Shelf life	12 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 301 Safety Data Sheet.
Disposal	Refer to MasterFinish RL 301 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 vapor 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

"Master Builders Solutions Yapı Kimyasalları Sanayi ve Ticaret Ltd.Şti. (the Company) endeavors 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.

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