

MasterFinish RL 309

Solvent-free form release agent for precast elements, where aesthetical surfaces are of importance

DESCRIPTION

MasterFinish RL 309 P is a solvent-free form release agent based on highly refined mineral oils and biodegradable additives. MasterFinish RL 309 has been specially formulated to provide 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 pinholes.

FIELDS OF APPLICATION

MasterFinish RL 309 may be applied on all types of absorbing and non-absorbing concrete forms such as wood, metal, phenolic and silicon molds, where good surface finish and optimum release are required. MasterFinish RL 309 can also be used for steam curing.

FEATURES AND BENEFITS

MasterFinish RL 309 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 formwork. Its low viscosity ensures easy and economical application.

MasterFinish RL 309 is safe and eliminates many health and environmental risks when compared to the traditional form release agents with solvents and thus can be used with the maximum confidence by the workers in precast industry.

- Solvent-free
- Ready-to-use
- For all types of concrete
- For normal or delayed stripping
- For better protection against rusting of steel forms
- For steam curing

APPLICATION

MasterFinish RL 309 is a ready-to-use product that can be applied either by a sprayer, brush or a roller on any type of forms. The spray application should be carefully carried out in order to achieve a satisfactory and even coverage.

The spraying should be done at a suitable distance from the mould (approx. 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 (4-5 bars) and that the gun, especially the nozzle is completely tight in order to avoid dripping.

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

COVERAGE

The coverage of MasterFinish RL 309 depends upon the application method. If applied uniformly by a sprayer at a constant pressure of 5 bars on metallic or on impervious material the coverage rate is 85 -125 m²/litre.

PACKAGING

MasterFinish RL 309 is supplied in 15-litre cans and 1000-liter containers.

STORAGE

MasterFinish RL 309 should be stored in original sealed containers and at temperatures between -5 °C and + 40 °C. If stored according to the manufacturer's instructions, the shelf life is 18 months.

HANDLING AND TRANSPORTATION

No special requirements need to be observed during use. Protection gloves and glasses are however recommended. Do not eat, drink or smoke during the application. MasterFinish RL 309 is non-flammable and is not subject to special transport requirements.

CONTACT DETAILS

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Product Data	
Appearance:	Yellowish, transparent liquid
Specific gravity @ 20°C:	0.83 ± 0.02 g/cm ³
Form temperature	From -5°C up to 40°C
Viscosity @ 20°C	Approx. 8,5 mm ² /s at 20 °C
Logistics	
Shelf life:	18 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 40°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 309 Safety Data Sheet
Disposal:	Refer to MasterFinish RL 309 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

"Master Builders Solutions UK Ltd" (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.