

MasterFinish RL 98

Readily biodegradable release agent emulsion based on vegetable oils

DESCRIPTION

MasterFinish RL 98 is a ready-to-use emulsion based on vegetable oil that enables the easy de-moulding of concrete and the production of clean, stain-free concrete surfaces. The use of MasterFinish RL 98 prevents the formwork from being over-oiled with normal application quantities. If applied correctly, the adhesion of subsequent coats to the concrete (e.g. plaster, paint) is not affected. The product is compatible with expanded polystyrene, flexible & non-flexible formwork.

FIELDS OF APPLICATION

MasterFinish RL 98 is suitable for use in either the precast factory, or at the construction site where a high quality surface finish is required.

- It can be used with absorbent and non-absorbent wooden formwork in rain-protected areas.
- Particularly suitable for the production of cement-bonded pressboard and fiber-reinforced cement panels on steel formwork.
- Ideal for oiling paver boards in the concrete block & paver industry where it can be diluted up to 1: 3 with water for this application.

Due to its compatibility with flexible plastic moulds MasterFinish RL 98 may be suitable for the manufacturing of wet cast elements, however, for this application performance tests are recommended.

FEATURES AND BENEFITS

MasterFinish RL 98 gives an improved exposed concrete surface with reduced costs 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 when compared to traditional form release agents based on mineral oils, it can be used with maximum confidence by the workers on the job site and in the precast plant.

- Ready-to-use
- Solvent-free
- For excellent surface finish
- For normal or delayed stripping
- For wet cast stone production

APPLICATION

MasterFinish RL 98 is a ready-to-use product that is best applied by a pressurised sprayer. The spray application should be carried out carefully in order to achieve a satisfactory coverage. Depending on the ambient conditions, it takes 15 to 25 minutes for the water in the emulsion to evaporate and a release agent film to be formed.

The spraying should be performed 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 flat cone nozzle with a spraying angle from 65 to 80° has been found to give the best results.

Application by brush or roller is not recommended.

MasterFinish RL 98 must not be mixed with other products.

COVERAGE

The coverage of MasterFinish RL 98 depends upon the application method. If applied uniformly by a sprayer at a constant pressure of 4 bar on metallic or on impervious material the coverage rate is 55 - 85 m²/liter.

PACKAGING

MasterFinish RL 98 is supplied in 15-liter cans and 1000-liter containers.

STORAGE

MasterFinish RL 98 should be stored in original sealed containers and at temperatures between 5°C and 40°C. If stored according to manufacturer's instructions, the shelf life is 6 months.

CONTACT DETAILS

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Product Data	
Appearance:	White liquid emulsion
Specific gravity @ 20°C:	0.98 ± 0.02 g/cm ³
Form temperature	From 0°C up to 40°C
Viscosity @ 20°C	2 - 5 mPas
Logistics	
Shelf life:	6 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 98 Safety Data Sheet
Disposal:	Refer to MasterFinish RL 98 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.