

MasterFinish RL 318

Form release agent for precast elements, if high anti-corrosion properties for steel forms is required

DESCRIPTION OF PRODUCT

MasterFinish RL 318 is a form release agent based on highly refined mineral oils, biodegradable additives and dearomatized solvents. MasterFinish RL 318 has been specially formulated to provide an easy and complete release of the concrete from steel forms and a significantly improved quality of the concrete surface which is smooth, homogeneous and free of pinholes.

FEATURES AND BENEFITS

MasterFinish RL 318 prevents and eliminates rust stains on steel moulds. Due to the contained corrosion inhibitors and its excellent spreading capacity, MasterFinish RL 318 ensures optimum protection against corrosion.

It 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.

If the product is applied in thin layers the adhesion of subsequent coatings (e.g. plasters, paints) is not impaired. Foams like polystyrene and similar will not be attacked.

- ▶ Excellent corrosion inhibition for steel forms
- ▶ Ready-to-use
- ▶ For all types of concrete
- ▶ For normal or delayed stripping



FIELDS OF APPLICATION

MasterFinish RL 318 is designed for steel forms, which are susceptible to rust formation while manufacturing precast elements such as slabs and wall elements. It may be applied on heated horizontal and vertical formwork up to 60 °C.

COVERAGE

The coverage of MasterFinish RL 318 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.

APPLICATION PROCEDURE

MasterFinish RL 318 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 handgun, a slit nozzle with a spraying angle from 65 to 80° has been found to give the best results.

HANDLING

Avoid contact with skin and eyes and inhalation of vapors. It will be taken into consideration and will respect with labor protection measures foreseen when handling chemicals.

FIRST AID MEASURES

After skin contact: Wash immediately with soap and water and rinse extensively. After eye contact: rinse eyes thoroughly for 15 min. under running water, holding the eyelids apart and seek ophthalmology.

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ENVIRONMENTAL MEASURES

Do not discharge product on soil, groundwater, surface water course or sewage system, even in small quantities. Observe the national regulations regarding environmental protection.

CONSULTANCY

For specific advice or consulting, please contact technical representative in your area, or contact us directly at tel.: 0344 520 100/102..

SAFETY INSTRUCTIONS

For details please ask for updated safety data sheet at tel.: 0344 520 100/102 or by e-mail: constructii-romania@basf.com

Products Parameters	
Chemical composition:	Refined mineral oils, dearomatized solvents
Appearance:	Yellowish transparent liquid
Form temperature	-5°C ÷ 60°C
Specific gravity @ 20°C:	0,78 ± 0,02 g/cm ³
Viscosity @ 20°C	Approx. 3 cSt.
Logistics	
Valabilitate	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 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 package.
Dangerous goods ADR / SDR	3/3925/III

Legal notice

All technical information and recommendations contained herein are based on our current knowledge and experience. This document serves to describe the composition of the product, characteristics and its ability to process and commissioning work, respecting the instructions on transportation, storage and processing. The manufacturer does not assume any responsibility if conditions are not met. Due to the many factors that can affect the final results cannot guarantee certain properties of the product or its suitability for a specific use.

The buyer has the obligation to test the suitability of the product before proceeding to complete its application.

Product performance must be verified by tests performed by specialized personnel and adapted to the local conditions, external influences, etc.

Any descriptions, drawing, photographs, data, proportions, weight, etc. mentioned in this document may change without notice.

It is responsibility of our product to ensure that property rights are respected all laws existing regulations

Users should check the latest version of Data Sheet for the product, copies of which will be supplied on request.

Date: 01/08/2016