

# MasterFinish RL 411

Low-emission, low viscosity release agent based on renewable raw materials

## Areas of application

MasterFinish RL 411 is a low-viscosity release agent based on renewable raw materials and is suitable for all types of compaction and concrete consistencies. The product can be used in precast, in-situ concrete and civil engineering. Due to its excellent adhesion and creeping properties, the product can also be used as machine protection to support the daily cleaning of mixers and equipment.

## Material description

MasterFinish RL 411 is a very reactive chemical / physical release agent based on renewable raw materials. The low viscosity enables good workability and economical consumption. Special additives ensure easy release of the formwork and good corrosion protection with good cleanliness of the formwork. MasterFinish RL 411 enables the production of architectural concrete surfaces free of stains and blowholes. When properly applied in a thin layer, the adhesion of subsequent coatings (e. g. plasters, paints) is not impaired. It dissolves foams such as Styrofoam, Neopor and the like.

## Coverage

If applied uniformly on metallic or on impervious material the coverage rate is 8 - 12 ml/m<sup>2</sup> or 1 Liter for 85 - 125 m<sup>2</sup>.

## Certifikates



## Application procedure

MasterFinish RL 411 is a ready-to-use product that can be applied particularly by a sprayer. Application by brush or roller is not recommended. The spray application should be carried out carefully 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 (3 - 5 bars) and that the gun, especially the nozzle is completely tight to avoid dripping.

When spraying with a portable handgun, a stainless-steel flat cone nozzle with a spraying angle from 65° to 80° has been found to give the best results.

The spraying devices or systems to be used must be free of any release agent residues. Prolonged contact with galvanised metal parts should be avoided as reactions with certain ingredients may occur. The release agent must not be mixed with other products or water!

MasterFinish RL 411 is suitable for all types of compaction and concrete grades. If shaking technology is used, the factory specifications of shaking time, shaking frequency and the consistency of the concrete should be observed. Concreting should be carried out without interruption or longer breaks. Additional shaking can lead to problems.

## Storage

MasterFinish RL 411 can be stored for at least 12 months in unopened original containers and should be protected from frost and direct sunlight. The legal requirements for storing, refilling, and handling substances hazardous to water must be observed.

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## Handling and transportation

No special requirements must be observed during use. Protection gloves and glasses are however recommended. Do not eat, drink, or smoke during the application. Remove contaminated clothing immediately. Wash wetted skin with soap and water. Please refer to the current safety data sheet for further information. MasterFinish RL 411 is non-toxic or irritant and is not subject to special transport requirements.

## Packaging

Supplied in 1000 l container, 200 l drums and 20 l cans.

Technical data / typical Properties	
Raw material basis	Renewable substances with additives
Appearance	Clear yellowish liquid
Density (at 20 °C)	0,89 ± 0,02 g/cm <sup>3</sup>
Application temperature	from -5 °C (preferably 20 °C ± 5 °C)

## Disclaimer

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