



We create chemistry

MasterFinish RL 297

Readily biodegradable plant-oil-based release-agent emulsion with increased rust-protection properties

AREA OF APPLICATION

The MasterFinish RL 297 release agent is based on a watery emulsion of plant oils. The product is virtually odorless and contains only natural base oils and thus is superior to other products in terms of overall footprint and occupational hygiene. MasterFinish RL 297 is a highly versatile product and is particularly suitable for applications where top-grade concrete surfaces are required. Meeting today's requirements on release agents, MasterFinish RL 297 is readily biodegradable (tested in accordance with OECD 301 B / NF EN ISO 9439). MasterFinish RL 297 is used as a release agent in the manufacture of precast concrete elements and hollow-core slabs (flooded formwork).

PROPERTIES

MasterFinish RL 297 has highly efficient release properties that greatly facilitate the separation of concrete / mortar and formwork. This makes formwork removal and cleaning of the formwork easier and enables light-colored fairfaced-concrete surfaces without any blowholes.

Benefits:

- emits only water
- virtually odorless
- readily biodegradable
- highly versatile
- unharmed to users
- creates a fine mist when spray application is used
- excellent release properties
- enforces concrete surfaces of high visual quality
- keeps the formwork durably clean
- strongly increased rust-protection properties
- suitable for application environments of up to +60° C

COVERAGE

approx. 12 to 18 ml/m², or 1 liter for approx. 55 to 88 m²

APPLICATION

MasterFinish RL 297 is supplied ready for use and is applied onto the pre-cleaned, dry formwork surface evenly and thinly, using a high-pressure sprayer, rotary applicator, or mounted spray-bar system. Minimum pressure inside the spraying device: 4 bar. Recommended distance between spraying nozzle and formwork surface: 50 to 100 cm. Subsequent to application, observe a flash-off time of 5 to 15 minutes (depending on temperature, humidity and airflow). The result is a transparent, water-resistant film that also has good rain-resistance properties. Never mix MasterFinish RL 297 with other release agents! Please note: In some cases, MasterFinish RL 297 can etch into or soften coatings and rubber. Contact of MasterFinish RL 297 with galvanized metal parts or copper should generally be avoided. Recommended nozzle: flat-jet nozzle with stainless steel core; no. 800067 (nozzle aperture: 0.53 mm; angle: 80°; throughput 0.34 l/min)

STORAGE

In its unopened original container, MasterFinish RL 297 has a shelf life of 9 months; store at 0 °C to +30 °C.

HEALTH, SAFETY & ENVIRONMENT

No detriments are known when used appropriately. Observe general regulations regarding occupational safety and hygiene when handling the product. Wear suitable protective clothing and protective gloves during work. Immediately remove clothing that has become stained with the product. If product gets on skin, wash with soap and water. Observe Safety Data Sheet.

SHIPS IN / PACKAGING

980-liter containers; 200-liter drums; 20-liter cans



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Product Data	
Color und material type	white, milky liquid
Density (at 20 °C)	0.97 ± 0.02 g/cm ³
ph value (at 20 °C)	9.0 ± 1.0 after production
Application temperature	-5 °C minimum; preferably 20 °C ± 5 °C

Data as at 24 October 2018

Legal Note

The data in this data sheet has been compiled to our best knowledge and represents the current state of our know-how and experience. The data is only meant to provide a description of the product and does not imply any warranties as to product properties or durability. It remains the duty and

responsibility of the applicator to perform his/her own tests and analyses to ascertain the suitability of our products for application in their particular area of business. This technical data sheet supersedes all previous editions.