MasterFinish RL 418

Low emission, low viscosity, biodegradable form release agent based on renewable raw materials.

Material description

MasterFinish RL 418 is a low viscosity form release agent, composed more than 85% on renewable raw materials, and suitable for all methods of compaction and concrete consistencies. The product can be used in precast concrete element and ready-mix construction and civil engineering. Its exceptional penetrating properties make it suitable for mixer maintenance as well.

Assiad classification of form release agent		
Flammability		**
Utilization	Hygiene	****
	COV	***
	Biodegradability	***
* Favorable criterion	* Unfavorable criterion	

Features and benefits

MasterFinish RL 418 is a highly reactive, chemically/ physically acting release agent based on renewable raw materials. Its low viscosity provides good workability and high coverage. Special-purpose additives ensure easy formwork release and good corrosion protection while keeping the formwork clean.

MasterFinish RL 418 facilitates the production of clean fairfaced concrete surfaces without any stains or blowholes. MasterFinish RL 418 is biodegradable > 60% at 28 days following the EN ISO 9408-OCDE 301 B, is not labelled and can be used with foamed plastics such as Styropor or Neopor.

Coverage

Depending on the type of formwork, we advise 1 liter for 40 m^2.

Packaging

MasterFinish RL 418 is available in 20L cans, 200L drums and 1.000L tanks.

Storage

MasterFinish RL 418 can be stored in its original, unopened container for a minimum of 12 months; keep away from frost and direct sunlight. Observe the ordinance on plants for storing, bottling and handling water-polluting substances.

Technical Information	
Color und material type	clear, light-yellow liquid
Density (g/ml at 20 °C)	0.87 – 0.91

Application

MasterFinish RL 418 is a ready-to-use product and is applied onto the pre-cleaned, dry formwork undiluted, evenly and thinly, using a high-pressure sprayer, a rotary applicator or a mounted spray-bar system.

Avoid or re-move excess quantities of the release agent. When using vibration compaction equipment, make sure to observe the manufacturer's specifications of vibration duration and vibration frequency. Avoid any additional vibration. Avoid prolonged contact with zinc-coated metal parts as this may result in reactions with some of the ingredients. Never mix

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MasterFinish RL 418 with other release agents, as this may lead to uncontrolled results.

Safety instruction

MasterFinish RL 418 is not a hazardous substance in terms of directive 1999/45/EC. Wear suitable protective clothing and gloves. Immediately remove clothing that has become stained with the product. If product gets on skin, wash off with soap and water. Observe safety data sheet.

Other services

For additional technical information, brochures, references, technical reports and technical support please visit www.master-builders-solutions.com/it-it or alternatively contact infomac@masterbuilders.com.

Scan QR code to visit the product page and download the latest version of this technical data sheet and any additional documentation.

Disclaimer

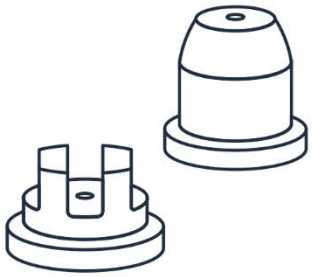
Since 16/12/1992, Master Builders Solutions Italia Spa has been operating under a Certified Quality System compliant with the UNI EN ISO 9001 Standard. Furthermore, the Environmental Management System is certified according to the UNI EN ISO 14001 Standard and the Safety Management System is certified according to the UNI ISO 45001 Standard.
For further information, please consult the local Technician of Master Builders Solutions. The technical advice on how to use our products, either written or verbally given, are based on the current state of our scientific and practical expertise, and does not imply the assumption of any guarantee and/or responsibility for the final results of works executed using our products.
Therefore, the customer is not exempted from the exclusive task and responsibility of verifying the suitability of our products for the intended use and purposes.
This version supersedes all the previous ones.

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MASTER® BUILDERS SOLUTIONS

Guideline for Manual Application Form Release Agents

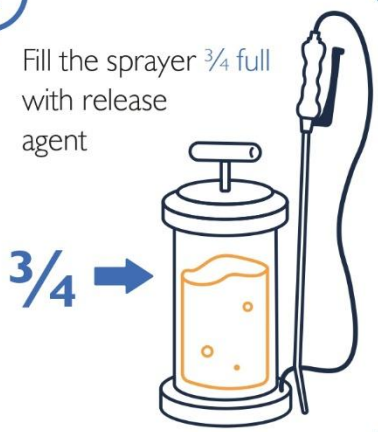
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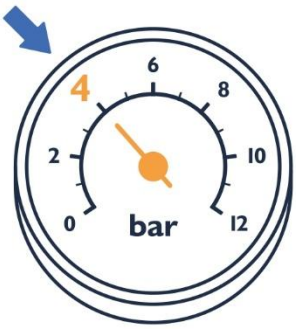
Use the correct nozzle

2

Fill the sprayer ¾ full with release agent



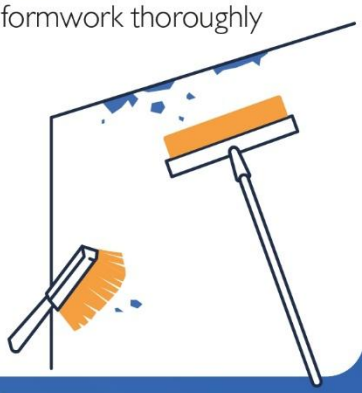
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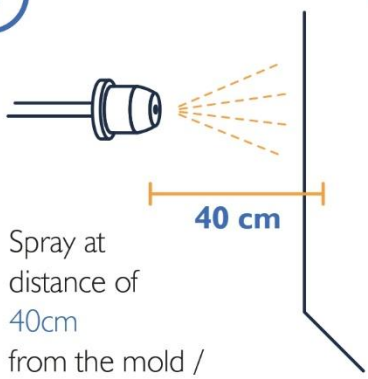
Keep pressure to min. 4 bar

4

Clean your mold / formwork thoroughly



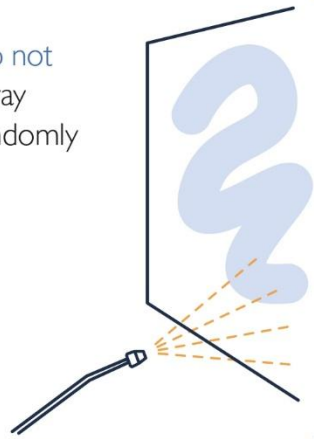
5



Spray at distance of 40cm from the mold / formwork surface

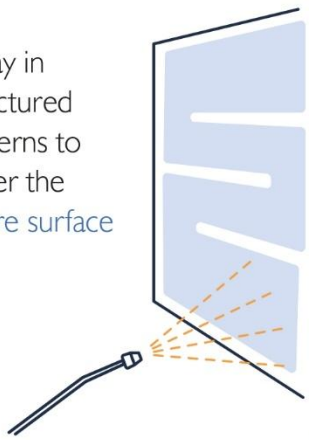
6

Do not spray randomly



7

Spray in structured patterns to cover the entire surface



8

Result: no more puddles and dripping



9

Benefit from a uniform layer

