MasterFinish RL 216

Low viscosity, synthetic mineral oil based release agent.

Material description

MasterFinish RL 216 is a product based on a synthetic mineral oil component which forms a thin, isolating layer between the formwork and concrete which prevents adhesion of fresh concrete to the formwork.

MasterFinish RL 216 meets the requirements of UNI 8866, Part I and II.

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

Features and benefits

With MasterFinish RL 216 is possible to have:
- Easy demoulding, since the chemical reaction prevents the adhesion of concrete to formworks;
- Compatibility with all types of concrete;
- Rapid spray application even at low temperatures;
- Normal or delayed release.

MasterFinish RL 216 adds the technical advantages of improved architectural concrete to economical advantages, such as reduced work times, long lasting formworks, etc.

Dosage

The dosage and consequent yield of MasterFinish RL 216 depend on the material of the formwork. At 20°C, one litre covers 60 to 70 m^2 of a metal formwork, according to the roughness of the form face.

Packaging and storage

MasterFinish RL 216 is supplied in 10L cans, 208L drums, 1.000L tanks and in bulk.
The product must be stored in a dry place where temperature does not drop below +5°C ranging to maximum value of 40 °C. In this conditions and if the product is stored in his original drums, it has a shelf life of 24 months.

Directions for use

If the correct dosage of product is applied properly, MasterFinish RL 216 gives successful results on all types of metal or wood formwork.
Whenever porous formworks (wood, plywood, etc.) are used, repeated applications of the mould release agent provide better performance, by saturating the formwork surface. The high wetting ability of MasterFinish RL 216 allow a uniform distribution of the product, even on vertical surfaces, thus eliminating the inconveniences which may occur when an excess of product is used. In case a thick coat should form on formworks after repeated applications ordinary automobile gas oil can be used to clean the formwork easily. For the best performance of MasterFinish RL 216 application by a suitable sprayer, obtainable from your local Master Builders Solutions representative, is recommended.

Safety Data

Toxicological Analysis Master Builders Solutions required an independent Laboratory to perform the toxicological analysis of the product the complete report is available on request. Analysis results are as follows:
- Acute eye exposure test: MasterFinish RL 216 is non irritant.
- Allergic sensitivity test: MasterFinish RL 216 does not sensitize.
- MasterFinish RL 216 is more than 60% biodegradabile at 28 days. Avoid the release in environment.

Moreover, being a synthetic product, MasterFinish RL 216 is not restricted by the sanitary regulations applied to mineral oil based mould release agents (Italian Law No. 303, 1956).

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Technical Information	
Form	Liquid, yellow amber
Relative density (g/ml at 20°C)	0.854 – 0.895

Compatibility

MasterFinish RL 216 is compatible with all types of concrete and formworks. However, it cannot be used to guarantee the detachment of the interface between concrete and concrete.

Safety information

For information on the correct and safe use, transport, storage and disposal of the product, consult the most recent 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

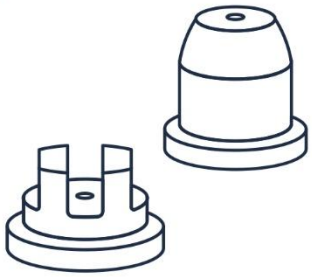
Since 16/12/1992, Master Builders Solutions Italia Spa has been operating under a Certified Quality System compliant with the UNI EN ISO 9001 Standard. Furthermore, the Environmental Management System is certified according to the UNI EN ISO 14001 Standard and the Safety Management System is certified 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

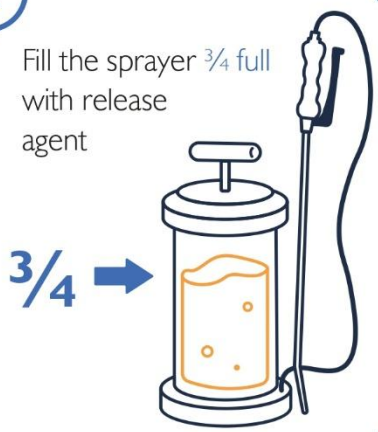
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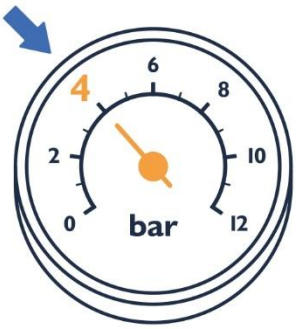
Use the correct nozzle

2

Fill the sprayer ¾ full with release agent



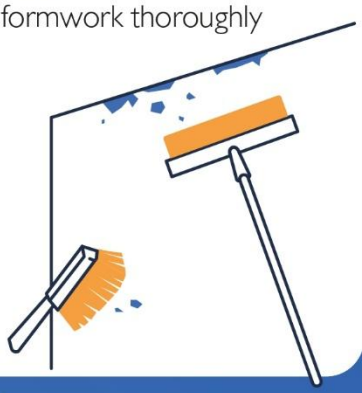
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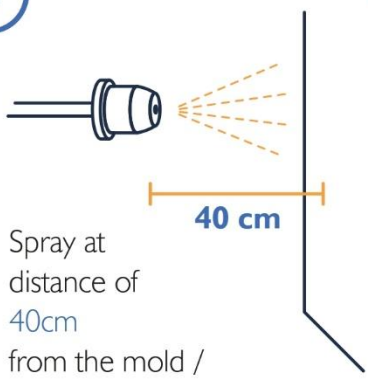
Keep pressure to min. 4 bar

4

Clean your mold / formwork thoroughly



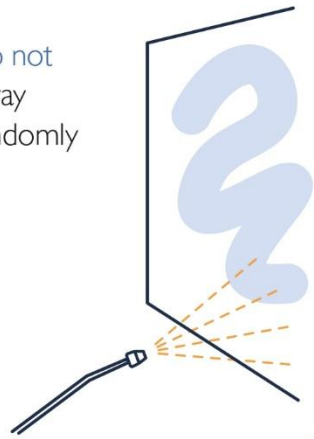
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Spray at distance of 40cm from the mold / formwork surface

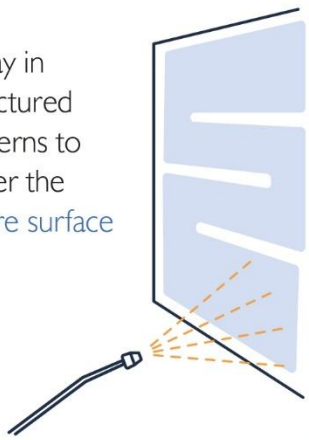
6

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

