

MasterFinish RL 420

Form release agent for instant demoulding applications based on renewable raw materials.

Material description

MasterFinish RL 420 is a form release agent specifically designed for elements produced by instant demoulding, like pipes, manholes, barriers, sewage channels etc. MasterFinish RL 420 is a demoulding agent that is perfectly matched for the use in combination with MasterCast admixtures.

The adhesion of subsequent coatings (e.g. render, paint coats) is not affected if applied appropriately thinly.

Fields of Application

MasterFinish RL 420 is a release agent for the production of manufactured concrete products by instant demoulding. The product is basically designed for the production of slatted and grid floor elements, cable funnels, drainage channels, concrete pipes, and other construction elements made with earth-dry concrete. Also suitable for delayed demoulding and for mixer and equipment maintenance.



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

Features and Benefits

MasterFinish RL 420 provides an economic way of obtaining an improved concrete surface of machine manufactured dry-cast elements. It is forming a thin film immediately after application that reduces the stickiness between the fast moving form and the concrete. Further MasterFinish RL 420 supports

the formation of smooth side surfaces of the dry-cast elements by forming.

MasterFinish RL 420 is made entirely from renewable raw materials. Accordingly, the product is readily biodegradable and not hazardous to human or environment when used properly.

Compatibility

Generally MasterFinish RL 420 is designed for steel forms, however it can be used also with other forms. If rubber-lined forms are used, a compatibility test must be done. Galvanized equipment should not to be used.

MasterFinish RL 420 must not be mixed with other products or diluted with water.

Coverage

The coverage of MasterFinish RL 420 depends upon the application method. If applied uniformly by a sprayer at a constant pressure of 4 bars on metallic or on impervious material the coverage rate is 65 - 100 m²/litre.

Storage

MasterFinish RL 420 can be stored in its closed original containers for a minimum of 18 months and should be kept away from frost and direct sunlight. Observe the valid local regulations for storing, bottling and handling water-polluting substances.

Packaging

MasterFinish RL 420 is supplied in 20 litres canisters, 210 litres drums and 1.000 litre IBC's.

Application Procedure

MasterFinish RL 420 is a ready-to-use product and is applied onto the clean, dry formwork undiluted, evenly and sparingly, using a high-pressure sprayer or other suitable application method.



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When spraying with a portable hand gun, a flat spray nozzle with a spraying angle from 65 to 80° has been found to give the best results.

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. MasterFinish RL 420 is not labeled as hazardous and is not subject to special transport requirements.

Technical Information	
Form	Light yellow, clear liquid
Density (g/ml at 20 °C)	0.86 – 0.90

Health, safety & environment

MasterFinish RL 420 is no hazardous substance according to GHS. 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 off with soap and water.

Observe the safety data sheet.

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.



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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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