

MasterRoc SA 411

Liquid high performance accelerator for wet-mix shotcrete.

Product description

MasterRoc SA 411 is a high performance accelerator, mainly for use in the wet spraying process, but can also be used in the dry spraying process. It is a liquid additive whose dosage can be varied to the desired setting and hardening times.

Fields of application

MasterRoc SA 411 is suitable for all applications where large coating thicknesses and early strength values are decisive. Principal applications are:

- tunnels;
- galleries;
- mining;
- slope and construction pit protection;
- repair works.

Features and benefits

- Fast setting and high early strengths;
- Increased layer thicknesses possible;
- Low rebound;
- Secures rapid work progress;
- Low viscosity;
- Easy to mix into the concrete, also at low temperature;
- Low consumption;
- Achieves higher final strengths and more durable shotcrete as compared with traditional accelerators.

Packaging

MasterRoc SA 411 is supplied in 272 kg drums, 1.360 kg containers or in bulk.

Consumption

The advised dosage of MasterRoc SA 411 is ranging from 8 to 14% on cement weight*.

Different dosages can be used depending on temperature and humidity condition of the support.

**suggested values for shotcrete applications*

Storage

Minimum storage temperature for MasterRoc SA 411 is +5°C.

Application procedure

MasterRoc SA 411 is pumped directly to the nozzle by a dosage/pumping system, normally used for the accelerator of gunite or spritz-béton.

Technical Information	
Form	Liquid
Colour	Transparent
Relative density (g/ml at 20°C)	1,330 – 1,390
pH	11,6
Viscosity (mPa·s at 20°C)	70 - 120

MasterRoc SA 4II

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Safety precautions

The same precautions as with handling and use of cementitious products should be observed.

Avoid eye and skin contact and wear rubber gloves and safety glasses. If contact occurs, rinse with plenty of water. In case of eye contact seek medical advice. For further information, refer to the Material Safety Data Sheet or contact your local Master Builders Solutions representative.

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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