

MasterRoc MP 368

Two-component, fire-resistant, highly reactive organ-mineral injection resin, suitable for soil consolidation.

Material description

MasterRoc MP 368 is a two-component organic mineral injection resin, non-solvent, highly reactive, fire resistant, specifically designed for rapid consolidation and /or stabilization of rocky layers and soils in general.

Fields of application

- Stabilization of rock layers.
- Consolidation of fractured rocks, sands and gravels.
- Repair of structures submerged in water.
- Repair of cracked concrete.

Features and benefits

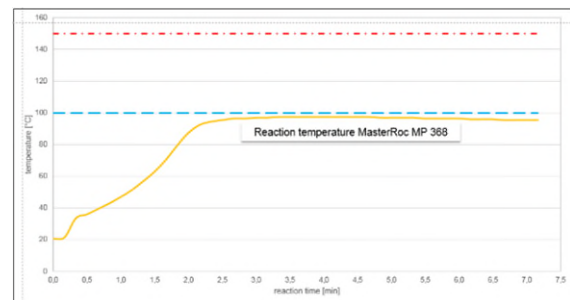
- Excellent adhesion to concrete: 5.0 Mpa after 30 minutes.
- It mixes easily at temperatures > 5°C.
- Compressive strength of 30 MPa.
- The injected material shows excellent adhesion even on wet surfaces and on substrates with low friction.
- MasterRoc MP 368 does not expand in volume with or without water, it does not absorb water.
- Penetrates into cracks wider than 0.25mm.
- MasterRoc MP 368 is a very fast reaction product, suitable for applications where structural strength and flexibility are required.
- Fire resistant.

Packaging

- Component A: 36.00 kg tanks
- Component B: 28.00 kg tanks

Storage

The components of MasterRoc MP 368 have a shelf life of 24 months if stored in a dry environment, in their original well-closed containers, at a temperature between 5°C and 35°C.



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Technical data		
Component A	Colour	Colorless
	Viscosity mPa s	300
	Density kg/l	1490
	Mixing ratio	A: B = 1: 1 by volume
Component B	Colour	dark brown
	Viscosity mPa s	115
	Density kg/l	1160
	Mixing ratio	A: B = 1: 1 by volume
Reaction characteristics		
Testing temperature (°C)		23
Flow time (s)		90 ± 30
Setting time (s)		150 ± 30
Foam expansion factor		1
Adhesion to concrete at 24 h, (MPa)		3.1
Border time, (min)		< 5

Border time: time required to obtain an adhesion strength of 1 MPa in a laboratory environment.

Application sheet

Application procedure

Components A and B must be injected in the volumetric proportion of 1: 1 using a dual-component pumping injection pump, equipped with an in-line static mixer, as shown in the photo below.



Note: the reaction time of the resin is highly dependent on the temperatures of the product, the rock and possibly the water present in the soil. It is advisable to keep the two components A and B at a temperature of about 15°C before application.

To obtain the best mixing of the components during injection, it is necessary to use an in-line static mixer combined with the injection gun.

Cleaning of injection equipment

With three-piston pumps, like the one in the photo, in the event of short interruptions to work, it is possible to pump the MasterRoc MP 230 CLN cleaner through the dedicated pumping unit. Once the work is finished, also wash the pumping elements and the pipes of the two components with the MasterRoc MP 230 CLN cleaner.

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Warnings

MasterRoc products are for professional use. For further information, consult the Master Builders Solutions Italia Spa area technician.

Safety instruction

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.

Master Builders Solutions Italia Spa

Via Vicinale delle Corti, 21 – 31100 Treviso – Italia

T +39 0422 429200 F +39 0422 421802

www.master-builders-solutions.com/it-it

e-mail: infomac@masterbuilders.com