

MasterRoc MP 17 GE

Premixed mortar, one component, castable, with a high expansion factor to fill fiberglass bolts used for forepoling at the tunnel face.

Material description

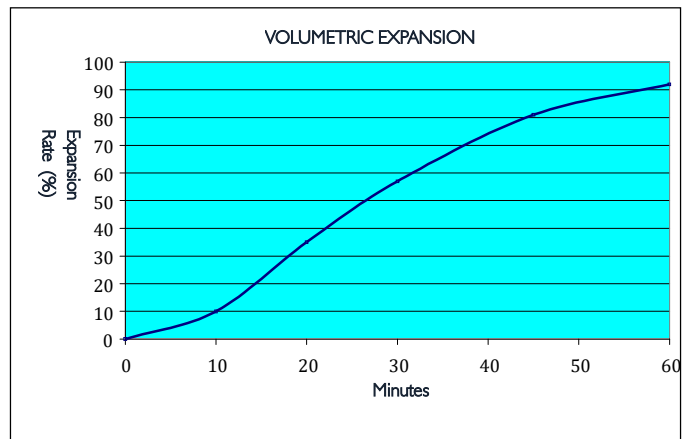
MasterRoc MP 17 GE is a premixed cementitious mortar, one component, with expansive agents and siliceous aggregates with 100 µm as a maximum diameter

Fields of application

This mortar mixed with only water allows to get self-levelling grout with a high expansion rate, without bleeding and suitable to be injected in fiberglass bolts, used in forepoling at the tunnel face. Content of aluminum powder < 0,2%.

Features and benefits

Expansion rate development measured after pouring the grout just mixed inside a graduated cylinder.



Consumption and packaging

Before expansion: 1,1 kg/liter of mortar.
 After expansion: 0,6 kg/liter of mortar.
 MasterRoc MP 17 GE is supplied in 20kg plastic bags.

Storage

Store the product in a closed area, dry and fresh (5 ÷ 30 °C) away from direct contact with sun rays, fire and free flames.

| Technical data | | | |
|---|----------|-----------------|------------------------------------|
| Bleeding | | | Absent |
| Flow cone ASTM C939 (nozzle diameter 12,7 mm) | | | < 20 s |
| Fresh mix density | | | c.a 1.800 Kg/m ³ |
| Setting time | | UNI 123 | start c.a 2h 45' end c.a 4h 45' |
| Compressive strength | free | UNI EN 196-1 | 24 h c.a 1 MPa 7 gg c.a 2.5 MPa |
| | confines | | 24 h c.a 3 MPa 7 gg c.a 13 MPa |
| Expansion pressure | | Internal method | >30 atm a 20°C |
| Volumetric expansion during the plastic phase on a graduated cylinder | | | > 100% a 20°C |

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Premixed mortar, one component, castable, with a high expansion factor to fill fiberglass bolts used for forepoling at the tunnel face.

Application sheet

Mixing

Mix MasterRoc MP 17 GE with water (dosage at 60% on powder weight) to get a smooth grout without bleeding.

Application

Inject the grout inside fiberglass bolts just after the mixing using standard pumps for injection.

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

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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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