

MasterRoc MP 367

Highly reactive, two component polyurea silicate injection foam for cavity filling and ground consolidation

Material Description

MasterRoc MP 367 is a two component, solvent-free polyurea silicate foam specifically designed for rapid cavity filling and ground consolidation.

Areas of Application

- Void and cavity filling, also to avoid water or gas accumulation
- Consolidation of fractured rock in underground structures
- Consolidation of rock in coal mines

Characteristics & Benefits

- Very fast reacting material
- Stable and workable foam structure
- Does not expand its volume on contact with water
- Shows good adhesion to wet and low friction substrates
- Fire resistant (according to DIN4102-B2)

Technical Data

	Color	Viscosity mPa·s	Density kg/m ³
Part A	Colorless	60	1.40
Part B	Pale brown	230	1.25

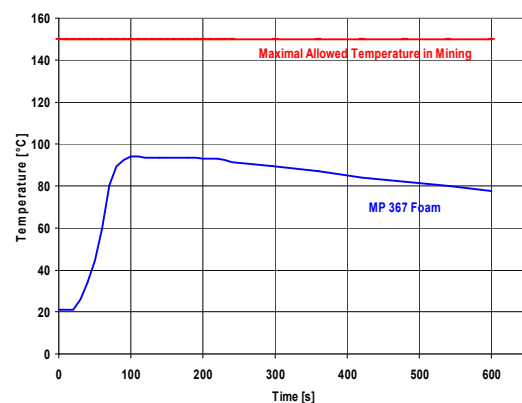
Tested at 23 °C

Mixing ratio Part A to B: 1:1 by volume

Reaction Characteristics:

Testing temp.	23°C
Start of foaming	20s ± 10s
End of foaming	40s ± 15s
Foam expansion factor	up to 30
Free rise foam density	45 kg/m ³
Reaction temperature	<99°C

Reaction temperature:



Application Directions

Part A and B are delivered ready to use. They are injected in the proportion of 1:1 by volume using a two component injection pump equipped with a static in-line mixer nozzle. Please note: The curing reaction time is dependent on the temperature of the product and the ground. Please store both components prior to application at a minimum temperature of 15°C.

To achieve an optimal mixing of the components during injection and cavity filling, the inclusion of a static in-line mixer in connection with the mixing head is strongly recommended. The length of the static mixer should be approximately 32cm.

Cleaning of Injection Equipment

For short breaks in the injection procedure, pump Part A through the in-line static mixer nozzle. After finishing the injection, pump an appropriate agent or oil which does not contain water through the pump and injection lines.

Packaging

MasterRoc MP 367 is available in the following packaging:

Part A	1335KG
Part B	1175KG



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Storage & Shelf Life

If stored in dry conditions, in unopened, tightly closed original containers and within a temperature range of +5°C and +35°C, the components of MasterRoc MP 367 have a shelf life of 12 months.

Precautions

For the full health and safety hazard information and how to safely handle and use this product, make sure that you obtain a copy of the Safety Data Sheet (SDS) from our office or website.

Disclaimer

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STATEMENT OF RESPONSIBILITY

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