

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, sands, gravels and coal
- Consolidation of rock in coal mines
- Mine and ventilation seals
- Pre-injection TBM tunnel

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

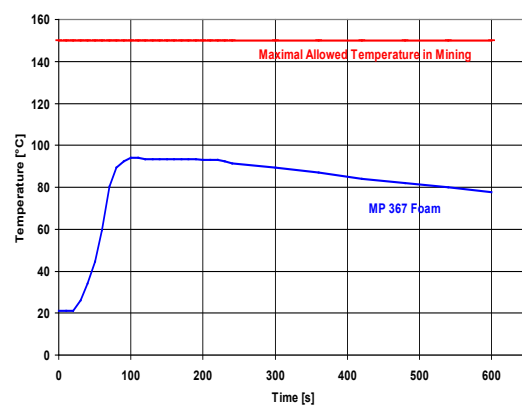
Tested at 23 °C

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:

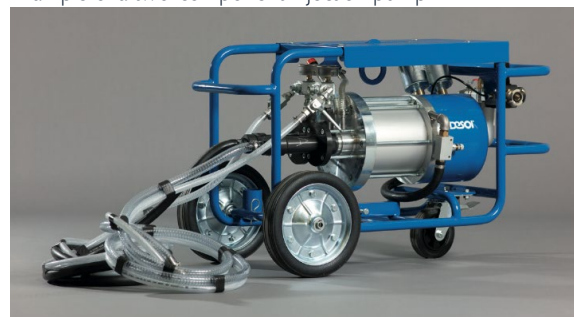


Application Directions

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.

Example of a two-component injection pump:



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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 24 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.

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

Disclaimer

MasterRoc-MP367 -ANZ-V6-0526

STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this MB Solutions Australia Pty Ltd publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use and for ensuring that the application and use of the product is in accordance with the manufacturer's guidelines and recommendations.

NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by MB Solutions Australia Pty Ltd either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not MB Solutions Australia Pty Ltd, are responsible for carrying out procedures appropriate to a specific application.

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