

# MasterRoc<sup>®</sup> MP 367

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

## Product description

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

## Fields 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

## Features and 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).

## Packaging

Part A: 34 kg cans and 284 kg drums  
 Part B: 30.6 kg cans and 250 kg drums

## Technical data

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

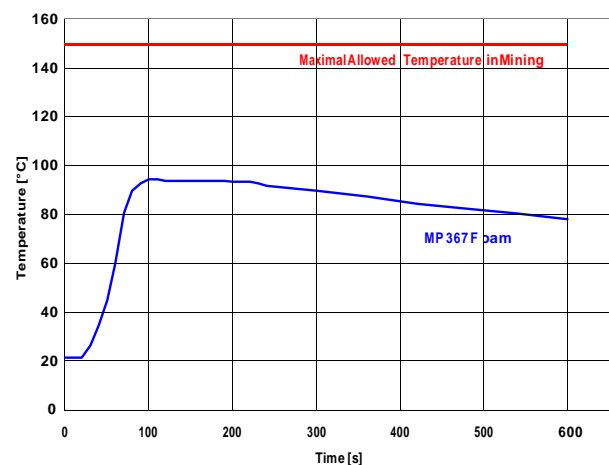
*Tested at 23 °C*

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

## Reaction characteristics

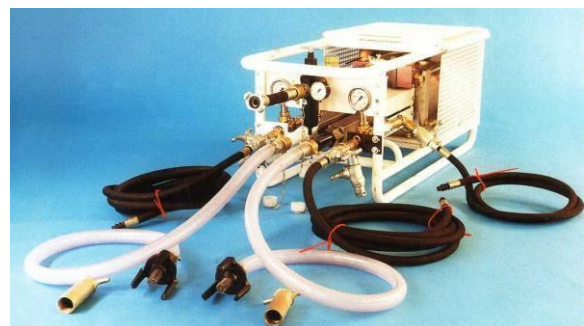
<b>Testing temp.</b>	<b>23°C</b>
Start of foaming	20s ± 10s
End of foaming	40s ± 15s
Foam expansion factor	up to 30
Free rise foam density	45 kg/m <sup>3</sup>
Reaction temperature	<99°C

## Reaction temperature



## Application procedure

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, as shown below:



# MasterRoc<sup>®</sup> MP 367

---

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 32 cm.

### 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.

### Storage

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 Foam have a shelf life of 12 months.

### Safety precautions

Refer to the Material Safety Data Sheet for safety measures:

MasterRoc MP 367 Foam Part A  
 MasterRoc MP 367 Foam Part B

Avoid contact with skin and eyes by using the required personal protective equipment, such as overalls, gloves and safety glasses. If contact with skin occurs, wash thoroughly using soap and water. If contact with eyes occurs, rinse thoroughly with an eyebath filled with water and seek medical advice. The products are harmless.

Uncured products should be prevented from entering local drainage systems and water courses. Spillage must be collected using absorbent materials such as sawdust and sand, and disposed of in accordance with local regulations.

The information given here is true, represents our best knowledge and is based not only on laboratory work but also on field experience. However, because of numerous factors affecting results, we offer this information without guarantee and no patent liability is assumed. For additional information or questions, please contact your local representative.

---

### STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this Master Builders Solutions publication is 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 commonwealth or State legislation. The owner, his representative or the contractor is responsible for checking the suitability of products for their intended use.

---

### NOTE

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

---

**Master Builders Solutions Hong Kong Limited**  
 Unit 2, 20/F, EW International Tower, 120-124 Texaco Road, Tsuen Wan, New Territories, Hong Kong.

Tel: (852) 2408 4400  
 Fax: (852) 2408 4401