MasterRoc® MP 367 Foam Formely MEYCO MP 364 Foam

Highly reactive, 2-component urea-silicate injection foam for filling of closed cavities and strata consolidation

PRODUCT DESCRIPTION

MasterRoc MP 367 Foam is a 2-component, solvent-free urea-silicate foam specifically designed for rapid filling of closed cavities and for coal and rock strata consolidation.

FIELDS OF APPLICATION

- Void and cavity filling in underground construction, tunnelling and mining (to avoid water or gas accumulation)
- Consolidation of fractured rock, sands, gravels and coal
- Stabilisation of cavities in tunnels
- Pre-injection in TBM tunnel

FEATURES AND BENEFITS

- MasterRoc MP 367 Foam neither expands its volume with water nor absorbs water
- Predominant closed foam cells
- Shows good adhesion to wet substrates
- Very fast reacting material applied where foaming speed, flexibility and flame retardant properties are required
- Good chemical stability

PACKAGING

MasterRoc MP 367 Foam is available in the following packaging:

Component A:	34kg PE canisters
	284kg steel drums
	1335kg SX-EX containers
Component B:	30.6kg PE canisters
	250kg steel drums
	1175kg SX-EX containers

Special packaging for coal mining is available on request.

TECHNICAL DATA

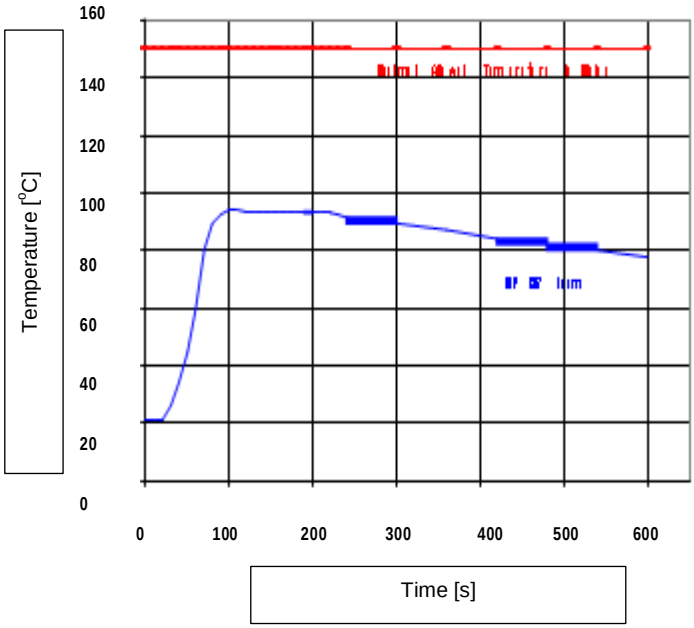
	Color	Viscoty mPa. s	Density kg/1
Component A	Colourless	300	1490
Component B	Dark brown	150	1180
Viscosity tested at 23ºC, Density at 20ºC			

Flash point: A non applicable, B > 200ºC
Mix ratio A:B: 1:1 by volume (100: 79 by weight)

REACTION CHARACTERISTIC

Testing temp	23°C
Start of foaming	20s ± 10s
End of foaming	40s ± 15s
Foam ext. factor	1
Foam density	Minimum 45 kg/Mup to 30

TEMPERATURE DEVELOPMENT DURING THE CURING REACTION



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APPLICATION PROCEDURE

Components 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.

SPECIAL REQUIREMENTS

Please note: The curing reaction time is significantly dependent on the temperature of the resin and the injected strata.
Please store both components prior to application at a minimum temperature of 15°C.

To achieve the best mixing of the components during injection and cavity filling, the inclusion of a static in-line mixer in connection with the mixing head or in the packer is essential. The length of the static mixer should be approximately 320 mm for correct mixing.

CLEANING OF INJECTION EQUIPMENT

For short breaks in injection, pump only Component A through the in-line static mixer nozzle. After injection and prior to storage of the equipment, pump water through the injection line of Component A and a flushing agent (MasterRoc PU Cleaner) through the pump and injection line of Component B. Fill both injection lines and the pump with clean engine oil to store the equipment.

STORAGE

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

Caution: Component A is frost sensitive! Complete material must be defrosted.

SAFETY PRECAUTIONS

Refer to the Material Safety Data Sheet for safety measures:
MasterRoc MP 367 Foam – Component A
MasterRoc MP 367 Foam – Component 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 cured products are harmless.

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

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