



MEYCO® MP 367 Foam

Rapid Cavity filling with BASF expandable foam

Description

- ♦ Meyco® MP 367 Foam is a highly reactive, solvent-free, urea-silicate foam
- ♦ It is specifically designed for rapid cavity filling and for coal and rock consolidation in mines and tunnels
- ♦ MP 367 Foam is injected into voids and cavities where it immediately expands to up to 30 times its original volume and sets hard in minutes
- ♦ It has high bonding strength and very good mechanical properties
- ♦ It is water insensitive - it will not expand in or absorb water
- ♦ Shows good adhesion to wet substrates
- ♦ Can be used for temporary or permanent applications

Features

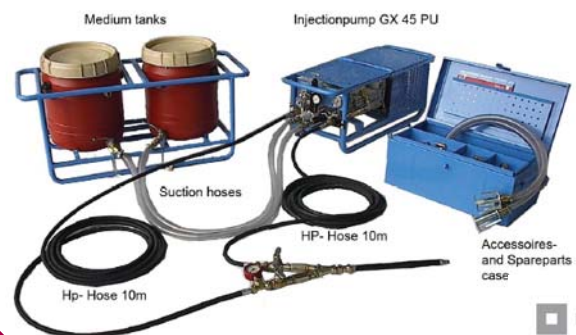
- ♦ Fire resistant. Low heat generation when in contact with fire
- ♦ Two-components A + B mixed at a ratio of 1:1
- ♦ Foaming factor up to 30
- ♦ No hazardous gases during application
- ♦ Good chemical stability
- ♦ Predominant closed foam cells

Benefits

- ♦ Very fast reacting material applied where foaming speed, flexibility and flame retardant properties are required
- ♦ High compressive strength
- ♦ Temperature and aging resistant
- ♦ Resists combustion and is self extinguishing
- ♦ High shear strength
- ♦ 12 month shelf life

Applications

- Cavities filling in coal and strata
- Consolidation of fractured rock, sands, gravel and coal in mines and tunnels
- Stabilization of cavities in tunnels
- Mine and ventilation seals in coal mines
- Pre-injection TBM tunnel



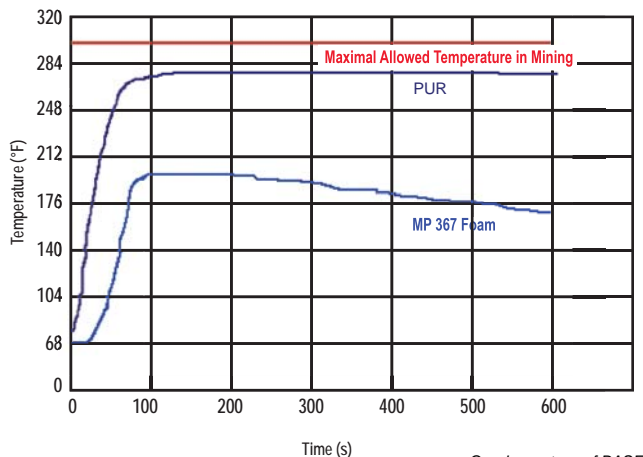
BASF
The Chemical Company



MEYCO[®] MP 367 Foam

Rapid Cavity filling with BASF expandable foam

Temperature development during Foaming Reaction:



Graph courtesy of BASF

Performance Characteristics:

Technical Data

	Color	Viscosity cP	Density lb/ft ³
Component A	Colorless	70	0.087
Component B	Pale Brown	170	0.078

Viscosity tested at 73 °F Density tested at 68 °F

Flash point: A - non applicable B > 390 °F

Mix. ratio A:B: 1:1 by volume (100:89 by weight)

Technical Data:

Testing temperature	73 °F (23 °C)
Start of Foaming	20 ± 10 s
End of Foaming	40 s ± 15 s
Foam expansion factor	up to 30
Foam Density	minimum 76 lb/ft ³

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.

Special Requirements: The curing reaction time is significantly dependant on the temperature of the polyurethane resin, and the injected strata. Store both components prior to application in warm place of at least 60 °F (15 °C).

Mixing: 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 13 in. (32 cm) for correct mixing.

Cleaning of Injection Equipment: For short breaks in injection, purge 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 clean engine oil through the pump and injection line of component B. For cleaning, a flushing agent for polyurethane resin should be used.

Safety Precautions:

Refer to the Material Safety Data Sheet for safety measures. Avoid contact with skin and eyes by using the required personal protective equipment, such as overalls, gloves and eye goggles. If contact with skin occurs, wash thoroughly using soap and water. If contact with eyes occurs, rinse thoroughly with an eyebath filled with clean water and seek medical advice. The cured products pose no health hazards. 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 disposed of in accordance with local regulations.

Storage and Handling:

If stored in dry conditions, in unopened, tightly closed original containers and within a temperature range of 41 – 95 °F (5 – 35 °C), the components of MEYCO MP 367 Foam have a shelf life of 12 months.

Caution: Component A is frost sensitive

BASF products distributed by
Strata Mine Services in the
United States.



Strata Mine Services LLC
68000 Bayberry Drive St Clairsville, OH 43950

Local: 740-695-6880 Fax: 740-695-6883
info@stratamineservices.com
www.stratamineservices.com