

GLOBALFOAM PH

INTRODUCTION

GLOBALFOAM PH is a two component injection product, intended for cavity filling, air and gas sealing and the consolidation of highly fractures strata. GLOBALFOAM PH is applied using a metering pump and mixing gun.

The mixing of resin and catalyst, in a volume ratio of 4 to 1, produces an immediate foaming reaction, followed by a rapid expansion of the product to as much a 30 times its original volume. After expansion GLOBALFOAM PH sets hard in few minutes. The special properties of GLOBALFOAM PH (rapid application, high expansion rate, high compressive strength, fire resistance and excellent antistatic properties) produce a cost-effective, quick and safe cavity filling solution.

As it is classified as fire resistant, GLOBALFOAM PH is also suitable for sealing off underground heatings and for aiding fire-fighting operation in deep mines.

TECHNICAL PROPERTIES

(at +20°C and 60% R.H.)

	Base	Catalyst
Density at 20°C (g/cm ³)	1,2	1,5
Mixing ratio (in volume)	4	1
Reaction time (minutes)	5	2
Expansive ratio	20-30	20-30
Compressive strength at 10% deformation (MPa)	0,1 – 0,2	0,1 – 0,2
Fire classification	No flame propagation	No flame propagation

Shelf life at 20°C:

Base: 3 months in cans and 1 month in containers.

Catalyst: 12 months in cans.

Stored in their original tightly closed containers at temperatures in the range from +5°C to +20°C.

CHARACTERISTICS AND APPLICATIONS

High expansion rate, small quantities required for cavity filling.

Instant foaming action, leakproof formwork not required.

Excellent compressive strength.

Good compressibility, adapts readily to strata movement.

No flame propagation, suitable for fire-fighting applications.

Filling of cavities and roof falls.

Erection of firewall at a safe distance.

Crossing rock-fall zones in tunnels and mine workings.

Rapid construction of stoppings.

Injection of fractured strata and air leakage cavities to create a gas and air-tight seal.

NOTE. The information given to users is based on our best experience. However, because of the many possible applications, which are outside of our knowledge and control, we cannot accept liability for loss or damage resulting from reliance upon such information.