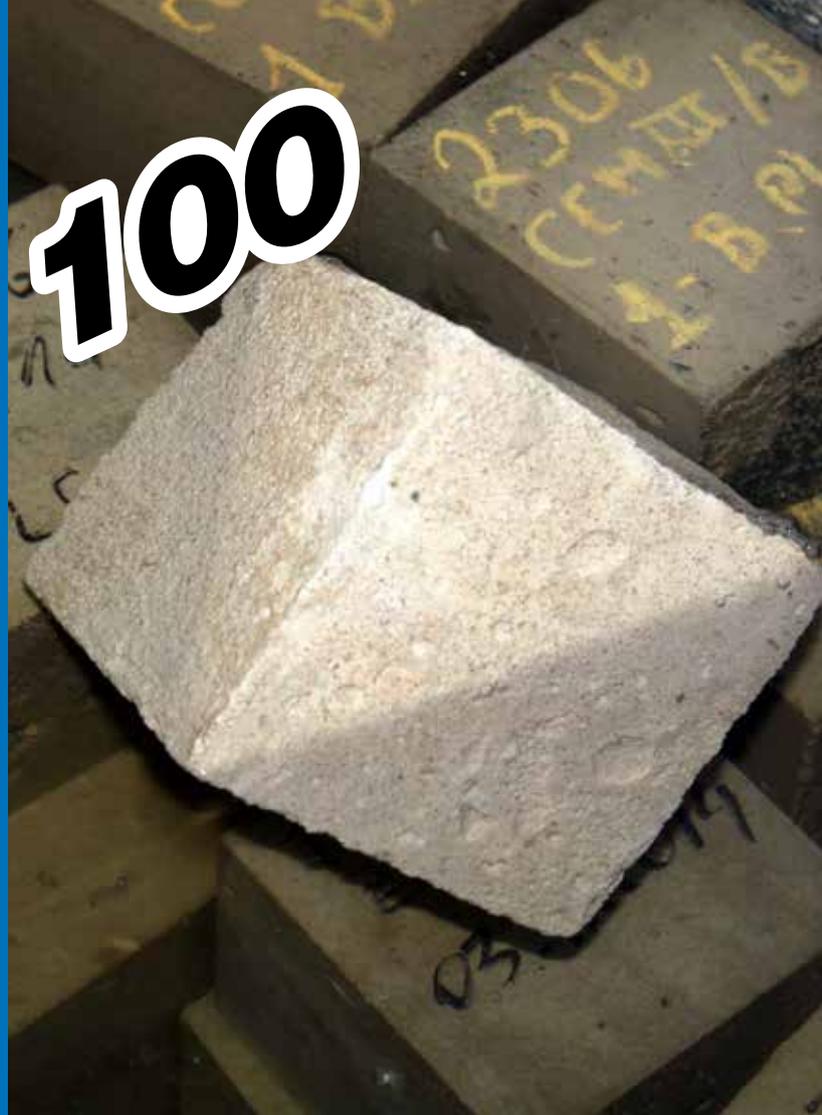




# Porofill

# 100

**Liquid admixture for  
lightweight concrete**



## PRODUCT DESCRIPTION

**Porofill 100** is a liquid admixture with foaming abilities to entrain high amount of air in to cement based materials, especially recommended for producing easily pumpable lightweight mortars or concrete.

## AREAS OF APPLICATION

Because of its foaming action and its ability to form evenly spaced micro-bubbles of air in the cement matrix, **Porofill 100** produces light-weight, easily pumpable mortars and concretes with high stability and cohesion.

### **Porofill 100 is especially recommended for:**

- preparing mortars and concretes with natural and artificial light-weight aggregates (pumice, LECA®, expansive clay, polystyrene) with high insulating capa city
- preparing high stability super-plastic aerated mortars and concretes with a low modulus of elasticity and low ten sile strength for filling ground cuts after laying pipes
- Production of light-weight concrete with densities down to 600 - 700 kg/m<sup>3</sup> with special equipment

## TECHNICAL PROPERTIES

**Porofill 100** is a aqueous surfactant solution with strong foaming abilities.

**Porofill 100** is especially effective for producing aerated mortars and concretes for filling ground cuts after laying

pipes and also for backfill grouting of spaces between precast segments and the ground in tunnels excavated by drilling machines.

The air entrainment action of **Porofill 100** reduces the yield stress and the plastic viscosity of mortars and concretes which gives a flow like liquids so there is no need for manual or mechanical compaction.

## COMPATIBILITY WITH OTHER PRODUCTS

**Porofill 100** is compatible with **Mapeform MB** products for releasing concrete from formwork.

## DOSAGE

### **Dosage by weight:**

From 0.5 to 1.5 kg for every m<sup>3</sup> of mix.

### **Note:**

The consumption will vary with amount of filler in aggregate, amount of cement and desired density of the mix.

## PACKAGING

**Porofill 100** is available in 25 liter cans, 200 liter drums and in 1000 liter IBC tanks.

## STORAGE

Stored in closed containers, protected from frost and direct sunlight, the shelf life is 1 year.

TECHNICAL DATA (typical values)	
PRODUCT IDENTITY	
Type:	liquid
Colour:	brown
Solid content, (%):	20 ± 1
Density, (g/cm <sup>3</sup> ):	1.06 ± 0.02
pH:	7 ± 1
Chloride content, (%):	< 0.05
Alkali content (Na <sub>2</sub> O-equivalent), (%):	< 2.5

#### SAFETY INSTRUCTIONS FOR PREPARATION AND INSTALLATION

Instructions for the safe use of our products can be found on the latest version of the SDS available from our website [www.mapei.no](http://www.mapei.no)

PRODUCT FOR PROFESSIONAL USE.

#### WARNING

*Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above - information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application: for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application: in every case, the user alone is fully responsible for any consequences deriving from the use of the product.*

Please refer to the current version of the technical data sheet, available from our web site [www.mapei.no](http://www.mapei.no)

#### LEGAL NOTICE

***The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in force at the time of the MAPEI product installation.***

***The most up-to-date TDS can be downloaded from our website [www.mapei.no](http://www.mapei.no)***

***ANY ALTERATION TO THE WORDING OR REQUIREMENTS CONTAINED OR DERIVED FROM THIS TDS EXCLUDES THE RESPONSIBILITY OF MAPEI.***

**All relevant references for the product are available upon request and from [www.mapei.no](http://www.mapei.no)**



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