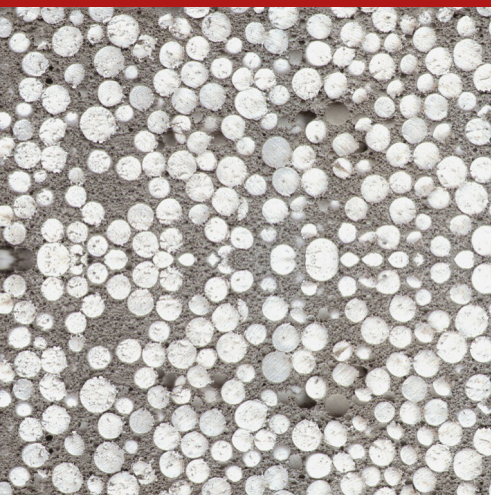


Fluid Air

Foamer in water solution for concrete exposed to freeze-thaw cycles



Aerating agent in solution specific for concretes exposed to freeze-thaw cycles and antifreeze salts or for light conglomerates (concrete with polystyrene, concrete with perlite, etc.). It compensates for partial lack of very fine parts in the conglomerate, improving its appearance, the cohesion and pumpability. It improves the workability, it reduces segregation and bleeding.

CUSTOMS CODE: 3824 4000

COMPONENTS: Single-component

APPEARANCE: Liquid

AVAILABLE COLORS: Brown

PACKAGING AND DIMENSIONS: Plastic can 5 kg - Plastic can 25 kg - Plastic can 10 kg

FEATURES AND BENEFITS

Fluid Air is particularly indicated for the addition to mortars, grouts and concretes, to create micro air bubbles (50-420 microns), to strengthen the resistance to freeze/thaw cycles.

FIELDS OF APPLICATION

Additive to increase hardness vis-à-vis the freeze/thaw cycles in concrete. Production of concretes lightened using lightweight aggregates: polystyrene, pumice, perlite, vermiculite, etc.

MODE OF USE


Add the product directly in a concrete mixer, mixer truck or in the mixer, together with the mixing water; stir until a homogeneous whole, free of lumps is obtained. The density and viscosity of Fluid Air are conditioned by the temperature of the environment: use preferably in temperatures $>10^{\circ}\text{C}$. The dosage for use for the purposes of the resistance to freezing/thawing cycles will be about 0.05 % of the weight of the cement. To produce light concretes instead dose at 1 kg/m^3 . In the case of joint use with superfluidifying additives, reduce the normal dosage of Fluid Air.

APPLICATION METHODS

To be added to other components

KEY FEATURES

 Nonflammable

 Shelf-life: 12 months



TECHNICAL SPECIFICATIONS

ISO 4316
pH **9.2 ± 1**

ISO 758
Density **1.01 ± 0.02 kg/dm³**

EN 480-12
Alkali content ≤ **1 %**

EN 480-10
Chloride content ≤ **0.1 %**

EN 480-8
Dry residue **8.3 ± 10 %**

CONSUMPTION

The dosage for use for frost/thaw cycle resistance will be approximately 0.03% on the weight of the cement (30 cc per 100 kg of cement). To make lightweight concretes instead dose at 0.5 kg/m³.

STORAGE AND CONSERVATION

Protect from freezing. Store the product in its original packing, in a fresh and dry environment, avoiding frost and direct sunlight. Inadequate storage of the product may result in a loss of rheological performance. Store the product at a temperature between +10°C and +30°C.

PHOTO GALLERY



ADDITIONAL CONTENT



Produced and distributed by **AZICHEM srl**
Via Giovanni Gentile, 16/A - 46044 Goito (MN), Italy
Tel: +39 0376.604185 / 604365
Fax: +39 0376 604398
www.azichem.com - info@azichem.com

Update of **25-08-2020**
Terms of sale and legal notices available at
<https://www.azichem.com/general-sales-conditions>
Total pages of this document: 3

WARNINGS AND PRECAUTIONS

Reference Standards.

- For the product: UNI 7103 - ASTM C 260

- For use: UNI 9858 The general information, along with any instructions and recommendations for use of this product, including in this data sheet and eventually provided verbally or in writing, correspond to the present state of our scientific and practical knowledge. Any technical and performance data reported is the result of laboratory tests conducted in a controlled environment and thus may be subject to modification in relation to the actual conditions of implementation.

Azichem Srl does not assume any liability arising from inadequate characteristics related to improper use of the product or connected to defects arising from factors or elements unrelated to the quality of the product, including improper storage.

Those wishing to utilise the product are required to determine prior to use whether or not the same is suitable for the intended use, assuming all consequent responsibility.

The technical and characteristic details contained in this data sheet shall be updated periodically. For consultation in real time, please visit the website: www.azichem.com. The date of revision is indicated in the space to the side. The current edition cancels out and replaces any previous version.

Please note that the user is required to read the latest Safety Data Sheet for this product, containing chemical-physical and toxicological data, risk phrases and other information regarding the safe transport, use and disposal of the product and its packaging. For consultation, please visit: www.azichem.com.

It is forbidden to dispose of the product and/or packaging in the environment.

