



ADX.0056

## FLUID AIR

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

### Customs Code

3824 4000

### Packaging

- Plastic can 5 kg
- Plastic can 25 kg
- Plastic can 10 kg

### Application

- To be added to other components

Family  
Admix

Type  
Liquid additives for concrete, mortars, grout and pritz-beton

Product Lines

- Building
- Infratech
- Floor

Functional Categories

- Improvement of mechanical and/or rheological performance of newly manufactured mortars, plasters and concretes
- Manufacturing plasters and mortars

Components  
Single-component

Appearance  
Liquid

## Certifications and legislations



EN 934-2

Additivi per calcestruzzo - Additivo aerante (T5)

## General description

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.

## General features

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.

## Dosage

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/m<sup>3</sup>.

## 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.

## Basic features



Nonflammable



Shelf-life:  
12 months



Available colours  
Brown

## Technical specifications

Alkali content EN 480-12: ≤ 1 %

Chloride content EN 480-10: ≤ 0.1 %

Density ISO 758: 1.01 ± 0.02 kg/dm<sup>3</sup>

Dry residue EN 480-8: 8.3 ± 10 %

pH ISO 4316: 9.2 ± 1 \_



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## Instructions for 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  $1\text{ kg/m}^3$ . In the case of joint use with superfluidifying additives, reduce the normal dosage of FLUID AIR.

## Storage and preservation

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  $+10^{\circ}\text{C}$  and  $+30^{\circ}\text{C}$ .



## Warnings, Precautions and Ecology

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](http://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](http://www.azichem.com).

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

Reference Standards.

- For the product: UNI 7103 - ASTM C 260

- For use: UNI 9858



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