ADX.0056

FLUID AIR

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

Dosage

0.5 kg /m³

Packaging

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

Application

- To be added to other components

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Family	Type
Admix	**Liquid additives for concrete, mortars, grout and pritz-beton**
Product Lines	**Functional Cathegories**
• Building **• Infratech**	**• Improvement of mechanical and/or rheological performance of newly manufactured mortars, plasters and concretes** **• Manufacturing plasters and mortars "in situ"**
Components	**Appearance**
Single-component	**Liquid**

Certifications and legislations

CE EN 934-2 T5

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.

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.

Available **colours**

• Brown

Basic **features**

Nonflammable

Shelf-life:
12 months

Technical specifications

Alkali content EN 480-12:	≤ 1 %
Chloride content EN 480-10:	≤ 0.1 %
Density ISO 758:	1.01 ± 0.02 kg/dm³
Dry residue EN 480-8:	8.3 ± 10 %
pH ISO 4316:	9.2 ± 1 _

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°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/m³. 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°C and +30°C.

Warnings, Precautions and **Ecology**

Technical and performance data outlined in this document are the result of laboratory testing conducted in a conditioned environment, as such they can result as considerably changed from operating and application conditions. The need follows to carry out preliminary tests in actual use conditions.

The user is required to check the product's most recent Material Safety Data Sheet, reporting physical-chemical and toxicological data, risk phrases and other useful information on how to safely transport, use and dispose of the product and its packaging. It is also reminded that the product and its packaging must not be dispersed in the environment for any reason.

Reference Standards.
- For the product: UNI 7103 - ASTM C 260
- For use: UNI 9858

FLUID AIR is produced/distributed by

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