



Family
Admix

Product Lines
• Building
• Floor

Components
Single-component

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

Functional Categories
• **Improvement of mechanical and/or rheological performance of newly manufactured mortars, plasters and concretes**

Appearance
Liquid

ADX.0064

FLUID THERM

Multi-purpose additive in aqueous solution for heat conducting screeds

Customs Code

3824 4000

Packaging

- Plastic can 10 kg
- Plastic can 25 kg

Application

- To be added to other components

Certifications and legislations



EN 934-2

Additivi per calcestruzzo - Additivo riduttore ad alta efficacia/superfluidificante (T3.1/3.2)

General description

Multi-purpose Additive solution specific for the improvement of thermal conductivity of concretes, through balanced superlubricating, defoamer, plasticiser type actions. FLUID THERM is perfectly compatible in combination with steel READYMESH MM-150 (usually dosed at 25 kg/m³) or multifilament READYMESH PM-180 (usually dosed at 1 kg/m³) polypropylene fibres.

General features

In radiant panel heating systems, the presence of high air content in the concrete forming the levelling screed can cause the correct spread of thermal energy to be severely obstructed; on the other hand, the conglomerate incorporates air already in the mixing phase in the form of microbubbles, while the excess mixing water and the segregation mechanisms that occur during transport and casting contribute to including additional quantities of air in the form of macrobubbles in the conglomerate. In this context, the peculiar defoamer, superlubricating and antisegregative actions of FLUID THERM, are particularly valuable as they allow the production of grouts and concretes with very low air content.

Dosage

Approximately 2.5 litres of FLUID THERM for every cubic metre of cement mix to be made.

Fields of application

Production of grouts and concrete with "damp earth" consistency, at a low water/cement ratio, with remarkable thermal conductivity properties, for the construction of screeds in radiant panel heating systems.

Basic features



Nonflammable



Shelf-life:
12 months



Solvent-free



Available colours
Brown

Tools cleansing

- Water

Applicable on

- Concrete
- Floor screed

IF YOU WANT TO SOLVE IT


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Updated: 24/08/2020

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Instructions for use

FLUID THERM must be added to the anhydrous components of the conglomerate, together with the mixing water; the dosage of normal use is 1% by weight, relative to the weight of the binders. After adding the product, provide for adequate mixing in order to obtain a homogeneous mixture free of lumps.

To further increase the conglomerate density and improve its anti-cracking performance, you should consider the addition of multifilament polypropylene READYMESH PM-180 or steel READYMESH MM-150 fibre, on the basis of the dosing guidelines listed on the appropriate technical fact sheet.

FLUID THERM is considered a neutral additive, i.e. does not involve changes to the normal gripping and hardening times of the conglomerate where it is inserted.

Storage and preservation

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.



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. 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.

FLUID THERM significantly reduces the mixing water. Check the consistency of the conglomerate in the mixing phase. Excess water can affect the consistency and performance of the conglomerate itself.



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FLUID THERM is produced/distributed by



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