

Fluid Therm

Multi-purpose additive in aqueous solution for heat conducting screeds



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.

CUSTOMS CODE: 3824 4000

COMPONENTS: Single-component

APPEARANCE: Liquid

AVAILABLE COLORS: Brown

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

FEATURES AND BENEFITS

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.

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.

ALLOWED SUPPORTS

Concrete - Floor screed

MODE OF 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.




APPLICATION METHODS


To be added to other components


TOOL CLEANING

Water

KEY FEATURES

 Nonflammable

 Shelf-life: 12 months

 Solvent-free

CONSUMPTION

Approximately 2.5 kg of Fluid Therm for every cubic metre of cement mix to be made.

STORAGE AND CONSERVATION

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.

PHOTO GALLERY



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

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ADDITIONAL CONTENT



WARNINGS AND PRECAUTIONS

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.

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.

