



Family  
Admix

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

Product Lines  
• Building

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

Components  
Single-component

Appearance  
Liquid

ADX.0064

## FLUID THERM

Multi-purpose additive in aqueous solution for heat conducting screeds

### Dosage

2.5 kg /m<sup>3</sup>

### Packaging

- Plastic can 10 kg
- Plastic can 27.5 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/m<sup>3</sup>) or multifilament READYMESH PM-180 (usually dosed at 1 kg/m<sup>3</sup>) 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.

## 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.

## Available colours

- Brown

## Basic features



Nonflammable



Shelf-life:  
12 months



Solvent-free

## Tools cleansing

- Water

## Applicable on

- Concrete
- Floor screed



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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

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.

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.

*FLUID THERM is produced/distributed by*



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