



ADX.0063

## FLUID SPRITZ

Inorganic liquid accelerant, for sprayed conglomerates (shotcrete)

### Customs Code

2839 1900

### Packaging

- Tank 1350 kg
- Plastic can 25 kg

### Application

- To be added to other components
- Shotcrete machine

Family  
Admix

Type  
Liquid accelerators for sprayed concrete (shotcrete)

Product Lines  
• Infratech

Functional Categories  
• Construction of spritz-beton

Components  
Single-component

Appearance  
Liquid

## General description

Solution of mineral reactivities (sodium silicate) to be used for the acceleration of setting of sprayed masonry and projected concretes, in the reinforcement of rocks outdoors and/or in a gallery, in laying self-sustaining and waterproofing claddings of tunnels, channels, vaults, basins, underground structures, etc., for use with specific equipment for hydrated mixtures (mixtures in which the silicate is sprayed on the shotcrete output nozzle).

## General features

FLUID SPRITZ is a wide diffusion accelerant characterised by ease of use, dosage variability according to the specific construction needs: reduction in the number of coating layers to be applied, reduction of patch layer laying time, reduction of rebound swarfs, option to operate even in cold weather.


## Dosage

Use from 10 to 15% of FLUID SPRITZ on the weight of cement present in the mixture to be projected and based on the application conditions and type of concrete (range of use: between 35 and 70 kg per cubic metre).


## Fields of application


Production of mortars and grouts sprayed with specific equipment (pumps for shotcrete machines) for hydrated mixtures in the reinforcement of rocks outdoors and/or in a gallery, in laying claddings, also with a load-bearing function, in galleries, on piles, sheet piles, diaphragms, channels, vaults, pondage, etc. In waterproofing underground structures. It can be used in structural sheets, for the safety of buildings affected by earthquakes.


## Basic features

 Density:  
1.36 ( $\pm 0.02$ ) kg/dm<sup>3</sup>

 Nonflammable

 Shelf-life:  
12 months

 Solvent-free

 Available colours  
White

## Technical specifications

Boiling point/range: >100 °C

Dry residue (10' a 150°C): 42.5  $\pm$  1 %

Viscosity: 170 ( $\pm$ 70) mPa

## Tools cleansing

- Water

## Applicable on

- Concrete
- Bricks
- Tuff
- Mixed walls (bricks and stones)
- Stone walls
- Rock walls



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## Instructions for use

FLUID SPRITZ must be previously introduced into a tank of suitable capacity to be added directly to the spray nozzle. It is always advisable to carry out preliminary tests to determine the most appropriate percentage product addition.

## 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 +5°C and +35°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.

The acceleration depends not only on the dosing of FLUID SPRITZ but also on the strength of the cement and the granulometric composition of the mixtures, the mineralogical properties of media and of the aggregates, the environmental temperature and humidity conditions, and so on.



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*FLUID SPRITZ is produced/distributed by*



Via Giovanni Gentile, 16/A - 46044 Goito (MN), Italy  
info@azichem.com Tel. +39 0376.604185 /604365 Fax +39 0376 604398



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