

## Fluid Hydro

Water-repellent additive for concretes, plasters and mortars



Fluid Hydro is a special aqueous emulsion additivated with white water-repellent products consisting of active components with an alkyl-silane base. The main characteristic is the property of reducing water permeability in concretes, plasters and mortars both due to the capillarity and lashings of water.

**CUSTOMS CODE:** 3824 4000

**COMPONENTS:** Single-component

**APPEARANCE:** Liquid

**AVAILABLE COLORS:** White

**PACKAGING AND DIMENSIONS:** Plastic can 10 l

### FEATURES AND BENEFITS

Fluid Hydro exerts a water-repellent action as the water-repellent particles disperse evenly during the mixing phase of the conglomerate. The action of Fluid Hydro is not affected over time given that the individual particles are insoluble in water and durable in aggressive environments (alkaline, sulphatic water, chlorinated water).

### FIELDS OF APPLICATION

Fluid Hydro is recommended in the production of concrete and mortar to reduce water permeability. In plasters or mortars, it is mainly used for outdoor purposes as it greatly reduces the phenomenon of efflorescence and the biological proliferation of mould and moss.

### ALLOWED SUPPORTS

Plasters - Concrete - Cement-based or lime-based mortars

### MODE OF USE

Fluid Hydro is suitable for all types of concretes, plasters and mortars, used individually or in combination with other Azichem products, to be added separately. Dispersing the product in the water of the mixture before going into the mixer is recommended. Fluid Hydro is dosed at about 0.5% of the weight of the binder. In any case, it is advisable to create test mixtures to establish the ideal Fluid Hydro dosage. Fluid Hydro should be stored at temperatures above 5° C and mixed before use. Given the water-repellent characteristics conferred to the mass of the mixture, it is not recommended to use for prestressed works.

### APPLICATION METHODS




To be added to other components





## TOOL CLEANING

Water

## KEY FEATURES

-  Density: 0.94 kg/dm<sup>3</sup>
-  Shelf-life: 12 months
-  Temperature of use: +5 / +35 °C

-  Nonflammable
-  Solvent-free

## TECHNICAL SPECIFICATIONS

pH 6 - 8

Active substance **50 %**

## CONSUMPTION

From 0.1 to 1.0 kilogram of Fluid Hydro every 100 kilograms of hydraulic binder present in the mixture (cement and/or hydraulic lime); an average of 350-500 grams to achieve good water repellency. Dilute 1:10 with water for use as a surface treatment of porous supports. The dosage varies according to the porosity of the substrate. The solution must be applied in 2 - 3 "coats" to obtain the best effect.

## STORAGE AND CONSERVATION

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.

## 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](http://www.azichem.com) - [info@azichem.com](mailto:info@azichem.com)

Update of **19-11-2024**  
Terms of sale and legal notices available at  
<https://www.azichem.com/general-sales-conditions>  
**Total pages of this document: 3**

## ADDITIONAL CONTENT



## WARNINGS AND PRECAUTIONS

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.

