



ADX.0294

FLUID HYDRO

Water-repellent additive for concretes, plasters and mortars

Customs Code

3824 4000

Packaging

- Plastic can 10 kg
- Plastic can 25 kg

Application

- To be added to other components

Family
Admix

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

Product Lines
• Aqua
• Building
• Opus

Functional Categories
• **Improvement of mechanical and/or rheological performance of newly manufactured mortars, plasters and concretes**
• **Improvement of waterproofing capacity and/or impermeabilisation of mortars, plasters and concretes**
• **Construction of underground works in high performance waterproof concrete**

Components
Single-component

Appearance
Liquid

General description

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.

General features

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).

Dosage


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.


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.


Basic features


 Density:
0.94 kg/dm³

 Nonflammable

 Shelf-life:
12 months

 Solvent-free

 Temperature of use:
+5 / +35 °C

 Available colours
White



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Technical specifications

Active substance: 50 %

pH: 6 - 8 _

Tools cleansing

- Water

Applicable on

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

Instructions for 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.

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. 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.



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FLUID HYDRO is produced/distributed by



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