

## Fluid S

### Superlubricating additive for concrete, mortar and grout mixing



Superlubricating additive, defoamer, in aqueous solution, for concrete, mortars and grouts, either with cement or lime. Particularly suitable for concretes added with silica-fume, for the production of concretes with very high intrinsic watertightness.

**CUSTOMS CODE:** 3824 4000

**COMPONENTS:** Single-component

**APPEARANCE:** Liquid

**AVAILABLE COLORS:** Brown

**PACKAGING AND DIMENSIONS:** Plastic can 10 kg - Plastic can 25 kg - Pallet tank (IBCs) 1000 kg

### FEATURES AND BENEFITS

Fluid S, added to a correct mix of hydraulic binders, selected aggregates, MICROSIL 90 (thickened silica fume), and auxiliary fibres Readymesh PM-180 (multifilament polypropylene fibres) improves mechanical strength, watertightness, and overall hardness of the product. Reference standards for the product: UNI 8145 - ASTM C 494 B,D,G

### FIELDS OF APPLICATION

Production of concretes, mortars, shotcrete, grout (cement- or lime-based), high workability (consistency class), reduced water/cement ratio, exempt from bleeding and segregation. Specific for manufacturing concretes with very high intrinsic watertightness (waterproof concretes).

### ALLOWED SUPPORTS

Concrete - Cement-based or lime-based mortars

### MODE OF USE

Fluid S must be added to the anhydrous components of the conglomerate, together with the mixing water; the dosage of normal use is in the range 1-2% by weight, relative to the weight of the binders. After the addition of the product, provide for adequate mixing in order to obtain a homogeneous mixture free of lumps. Fluid S effectively performs its superlubricating action in different mixing conditions: concrete mixer, truck mixers, vertical axis mixers etc. with normal means of transport: truck mixers, truck mixer pumps, stationary pumps, etc. Any overages must be preliminarily verified with test mixes. Fluid S is considered a neutral additive, i.e. it does not involve changes in normal times for gripping and hardening the conglomerate where it is inserted.




## APPLICATION METHODS


To be added to other components


## TOOL CLEANING


Water

## KEY FEATURES

 Density: 1.18 kg/dm<sup>3</sup>

 Shelf-life: 12 months

 Nonflammable

 Solvent-free

## TECHNICAL SPECIFICATIONS

a 20°C  
Viscosity **17.5 cP**

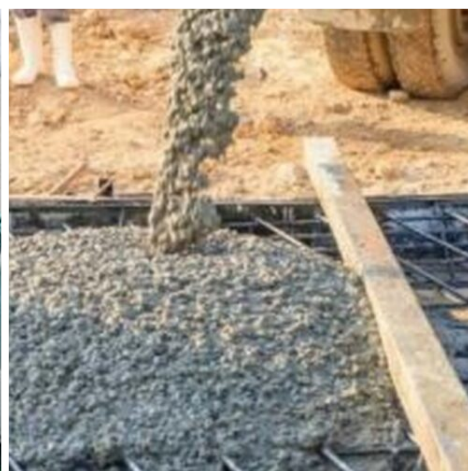
## CONSUMPTION

Add 0,7 to 2,0 kg of Fluid S for each quintal of hydraulic binder present in the mixture.

## 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



## ADDITIONAL CONTENT



## WARNINGS AND PRECAUTIONS

Fluid S significantly reduces the mixing water. Check the gauge of the mixer truck during the concrete loading phase. Excess water can affect the consistency and performance of the concrete. 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.

