



ADX.0065

FLUID TIX

Multipurpose thixotropic additive
anti-shrinking

Customs Code

3824 4000

Packaging

- Bag 20 kg
- Pallet: 50 x (Bag 20 kg)

Application

- To be added to other components
- Brick trowel
- Finishing trowel
- Shotcrete machine
- Plastering machine

Family
Admix

Type
Multi-purpose powder concentrates for manufacturing thixotropic and adhesive mortars

Product Lines
• Infratech

Functional Categories

- **Structural strengthening of masonry in historic buildings**
- **Repair and restoration of concrete structures with thixotropic mortars**
- **Manufacturing plasters and mortars**
- **Construction and maintenance interventions on airport runways and quays**
- **Structural maintenance of dams, reservoirs, ducts and water ducts**
- **Structural maintenance of bridges and viaducts**
- **Structural maintenance of tunnels**

Components
Single-component

Appearance
Powder

General description

A polyvalent powder additive to add to mixtures of binders and aggregates for packaging plasters, mortars, concrete and thixotropic concretes, rheoplastics, with controlled shrinkage and high mechanical, chemical, waterproof performance.

General features

The physico-chemical action of FLUID TIX can be considered as a complex interaction of positive physicochemical contributions and modifications of the rheology of the mixture. In particular, the super-pozzolanic reaction (the transformation of calcium hydroxide $\text{Ca}(\text{OH})_2$ - being unstable, soluble and dangerously reactive - into hydrated calcium silicate that is mechanically and chemically stable and insoluble) involves significant contributions in terms of performance and durability. The physical action of the MICROSIL 90 ultrafine filler, present in the formula, results in increments in density, compactness and resistance of the matrix. Special additives also permit a rise in the thixotropy of the mixtures additivated with FLUID TIX with optimal adjustment of the workability in accordance with the dosage used. The conglomerates added with FLUID TIX are therefore thixotropic composites particularly suitable for the realisation of durable works and repairs, even in aggressive atmospheres - marine, mountain, urban and industrial. FLUID TIX is optimised to be used as a viscosifier additive and as a thixotropy regulator in all of our castable and injection products: MIKROSANA, SANAFLEUENS, and GROUT line. When it is necessary to localise the injection operation in the mass of the masonry, FLUID TIX is thus an indispensable additive to regulate the flow and fluidity of the slurry.

Dosage

Add 10-30 kilograms of FLUID TIX per cubic metre of mixture to be made. Recommended dose on our products MIKROSANA, SANAFLEUENS, GROUT CABLE, GROUT MICRO J: 0.15 to 0.4 kilograms per 25 kilograms of product.

Fields of application

Packaging of conglomerates that are thixotropic, compact, self-sustaining, with controlled shrinkage, high waterproofing properties and high performance in terms of chemical resistance (sulphates, chlorides, run-off waters, etc.), along with mechanical and overall durability. Ideal for lime-based plasters, plasters with a hydraulic binder base, concrete blocks, joints. As a viscosifier and regulator of fluidity in our pouring and injectable products.

Basic features



Highlighted product



Nonflammable



Pot-life:
50 min



Shelf-life:
12 months



Temperature of use:
+5 / +30 °C



Available colours
Gray

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Tools cleansing

- Water

Applicable on

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

Instructions for use

FLUID TIX must be added in the cement or other mixer, in succession with the remaining solid components of the blend – the cement and aggregates. After an initial stir, the water for the mixture must be added, then continue to mix until obtaining a homogeneous and lump-free blend. Apply the resulting thixotropic cement conglomerate with a trowel or plastering machine (Turbosol type). Ensure exposed surfaces are protected and wet-cured.

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. Protect from humidity.



Average performance gains

Waterproofing	300-400 %
Resistance to chlorides	60 %
Mechanical resistance	40-50 %
Adhesion to concrete	40-50 %
Alkali-aggregate reaction	Suppression
Resistance to sulphates	equivalent to SRC cements
Reduction in waste from rebound	80%



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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.

FLUID TIX 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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