

# Fluid Tix

## Multipurpose thixotropic additive anti-shrinking



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.

**CUSTOMS CODE:** 3824 4000

**COMPONENTS:** Single-component

**APPEARANCE:** Powder

**AVAILABLE COLORS:** Gray

**PACKAGING AND DIMENSIONS:** Bag 20 kg - Pallet: 50 x (Bag 20 kg)

## FEATURES AND BENEFITS

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  $\text{Ca(OH)}_2$  – 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, Sanafuens, 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.

## 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.

## ALLOWED SUPPORTS

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

## MODE OF 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.




## APPLICATION METHODS



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

## TOOL CLEANING

Water

## KEY FEATURES

-  Highlighted product
-  Pot-life: 50 min
-  Temperature of use: +5 / +30 °C

-  Nonflammable
-  Shelf-life: 12 months

## CONSUMPTION

Add 10-30 kilograms of Fluid Tix per cubic metre of mixture to be made. Recommended dose on our products Mikrosana, Sanafluens, Grout Cable, GROUT MICRO J: 0.15 to 0.4 kilograms per 25 kilograms of product.

## 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. Protect from humidity.

## PHOTO GALLERY



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## SPECIFICATION ITEM

The conglomerates: Mortars, grouts, gunites, plasters etc., should be added with the specific multifunctional additive powder thixotropising, shrink-resistant mortar, with high chemical and mechanical performance, Fluid Tix by AZICHEM srl, for a dose range of 12 - 15% of the weight of the cement used (minimum 350 kg/m<sup>3</sup> of conglomerate).

## ADDITIONAL CONTENT



## 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%

## 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.

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