



CSX.0120

## QL FLUOSIL

Anti-dust chemical hardener for concrete floors and screeds

### Customs Code

3824 9970

### Packaging

- Plastic can 10 kg
- Plastic can 25 kg

### Application

- Scrubbing brush
- Scrubber-dryer machine

Family  
**Consilex**

Product Lines

- Infratech
- Sanageb
- Floor

Components  
**Single-component**

Type  
**Water based silicate solutions**

Functional Categories

- **Construction of high performance industrial concrete floors**
- **Wall structure treatments and repair of industrial concrete floors**

Appearance  
**Liquid**

## General description

Chemical/mechanical revitalising hardener, anti-dust, for works, artefacts, coatings, and concrete structures: consisting of an aqueous solution of mineral silicates and fluorosilicates, which are activated by peculiar wetting agents, apply several coats, at decreasing dilution in water, with a brush or mechanical "washer dryer". Specific anti-dust treatments for industrial flooring or concrete slabs that have lost their original "vitality".

## General features

It reacts with the calcium compounds, soluble and unstable, present in of concrete products, transforming them into new stable, insoluble and resistant compounds. Consequent increases in resistance to wear and tear of the order of 200% -400%, significant increases in chemical stability, resistance to freeze-thaw cycles etc.

## Dosage


Apply from 0.25 to 0.40 kg of QL FLUOSIL per square metre of surface to be treated.


## Fields of application


Reactive impregnations for stabilising chemical and mechanical structures and concrete products. Hardening, anti-dust, anti abrasive and anti-corrosion treatments for concrete floorings. Adjustment of the chemical and mechanical performance of products for the industrial, rural and livestock construction (on horizontal surfaces).


## Basic features

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

 Shelf-life:  
12 months

 Temperature of use:  
+5 / +35 °C

 Use wearing protective glasses

 Available colours  
Transparent

 Nonflammable

 Solvent-free

 To be applied in three coats

 Use wearing protective gloves

## Tools cleansing

- Water

## Applicable on

- Concrete
- Floor screed

## Substrate preparation

Application surfaces should be clean, free of soiling, crumbling and non-adhering parts, dust, etc., conveniently saturated with water until they reach the condition "saturated with dry surface".

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## Instructions for use

Apply, preferably with a brush or with "washer dryer" machine on the basis of the following indications:

- Porous surfaces: repeated applications of a solution of water and QL FLUOSIL at a ratio in 1:1
- Compact surfaces: apply three coats, with decreasing dilution with water. 1a coat 1:3, 2a coat 1:2, 3a coat 1:1.

The consumption of QL FLUOSIL will be proportional to the absorption of the floor to be treated. Indicatively a porous surface will consume about 400 g/m<sup>2</sup>, while a surface with normal porosity will consume 250-300 g/m<sup>2</sup>.

Leave the product to dry between one coat and the next and then, after the last coat, wash with copious amounts of water. Protect glass and aluminium surfaces during application.

## 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.



## 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](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.

QL FLUOSIL can be applied on concrete building supports that have a life of at least 30 days. It is not recommended to use QL FLUOSIL in the case of coloured concrete industrial floorings; in these cases, we recommend the use of QL NANO LITHIUM.

Caution, it is a moderately caustic and corrosive product.



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QL FLUOSIL is produced/distributed by



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