



Family  
**Consilex**

Product Lines

- Infratech
- Sanageb

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**

CSX.0120

## QL FLUOSIL

Anti-dust chemical hardener for concrete floors and screeds

### Customs Code

2839 9000

### Dosage

0.25 - 0.4 kg /m<sup>2</sup>  
(Recommended: 0.3 kg /m<sup>2</sup>)

### Packaging

- Plastic can 10 kg
- Plastic can 25 kg

### Application

- Scrubbing brush
- Scrubber-dryer machine

## 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.

## 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).


## Available colours


- Transparent

## Basic features

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

 Shelf-life:  
12 months

 Temperature of use:  
+5 / +35 °C

 Use wearing protective glasses

 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".

IF YOU WANT TO SOLVE IT  
 **azichem**

[www.azichem.com](http://www.azichem.com)

Updated: **24/02/2018**  
General sales conditions and legal notices on  
[www.azichem.com/disclaimer](http://www.azichem.com/disclaimer)

## 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

Technical and performance data outlined in this document are the result of laboratory testing conducted in a conditioned environment, as such they can result as considerably changed from operating and application conditions. The need follows to carry out preliminary tests in actual use conditions.

The user is required to check the product's most recent Material Safety Data Sheet, reporting physical-chemical and toxicological data, risk phrases and other useful information on how to safely transport, use and dispose of the product and its packaging. It is also reminded that the product and its packaging must not be dispersed in the environment for any reason.

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.

*QL FLUOSIL is produced/distributed by*



[www.azichem.com](http://www.azichem.com)

Updated: **24/02/2018**  
General sales conditions and legal notices on [www.azichem.com/disclaimer](http://www.azichem.com/disclaimer)



Via Giovanni Gentile, 16/A - 46044 Goito (MN), Italy  
[info@azichem.com](mailto:info@azichem.com) Tel. +39 0376.604185 /604365 Fax +39 0376 604398