



CSX.0247

CONSILEX NO-RUST

Corrosion inhibitor by impregnation for concrete structures

Customs Code

3824 9970

Packaging

- Plastic can 10 kg
- Plastic can 25 kg
- Plastic can 5 kg

Application

- Suffuse
- Low pressure airless nebulizer
- Sprayer

Family
Consilex

Product Lines
• Infratech
• Sanageb

Components
Single-component

Type
Anti-corrosion agents for concrete structures

Functional Categories
• **Repair and restoration of concrete structures with thixotropic mortars**
• **Block repair of concrete works with free-flowing mortars**
• **Structural maintenance of dams, reservoirs, ducts and water ducts**
• **Structural maintenance of bridges and viaducts**
• **Structural maintenance of tunnels**

Appearance
Liquid

General description

CONSILEX NO-RUST is a powerful non-toxic corrosion inhibitor, to be applied to the surfaces of concrete structures and which, thanks to its particular chemical nature, migrates within the conglomerate and deposits on its particular internal reinforcement substances that preserve their integrity over time, by inhibiting oxidation phenomena.

General features

CONSILEX NO-RUST performs its function effectively based on the migration phenomenon, which allows it to deposit on the reinforcement of the treated structure of particular corrosion inhibiting agents, even applied to the outer surface of the structure itself!

The particular formulation of CONSILEX NO-RUST allows its effectiveness not to be compromised by the presence of high levels of chlorides in the conglomerate. Alternative nitrite-based products, indeed, in the presence of chlorides, they may even have a negative effect on the corrosion of the reinforcing rods. CONSILEX NO-RUST, on the other hand, can be used effectively on concretes whose irons have already started to suffer corrosive effects and partial oxidation, also due to chlorides.


Dosage


Apply from 0.15 to 0.35 kg of CONSILEX NO-RUST per square metre of surface to be treated.

Fields of application


Preventive protection of existing concrete structures, such as public works, road works, buildings, hydraulic works, etc.

Basic features


 Density:
1.03 kg/dm³

 Shelf-life:
24 months

 Solvent-free

 Temperature of use:
>0 °C

 Use wearing protective gloves

 Available colours
Amber



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Technical specifications

pH: 9.0-9.5 _

The product doesn't create film

Tools cleansing

- Water

Applicable on

- Concrete
- Cement-based or lime-based mortars
- Prefabricated concrete

Substrate preparation

Thoroughly clean the support before applying the product, removing traces of fats, oils, dirt, incrustations, fouling, etc. Remove any paints, coatings, films or membranes that may be present on the surface: the product works by penetration, so it must come into direct contact with the surface of the concrete.

Instructions for use

Spray-apply on the surfaces to be treated. In the case of structures for which there is a risk that corrosion phenomena are already in progress, apply two coats. Allow the surface to dry for a few minutes after application.

If you squirt the product accidentally on the glasses, paints, frames, etc., simply wash with abundant water.

In case the treated surface should then be treated or coated with paint or other coatings, please note that a thin layer of inhibitor may be deposited on the surface. In this case, wash with plenty of water and carry out preliminary adhesion tests on the coating that you intend to use. In case the tests fail, proceed with hydrocleaning or slightly sanding to remove any residue. Carry out preliminary tests in this case as well.

Storage and preservation

Protect from freezing. Store the product in its original packing, in a fresh and dry environment, avoiding frost and direct sunlight.



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.



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CONSILEX NO-RUST is produced/distributed by



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