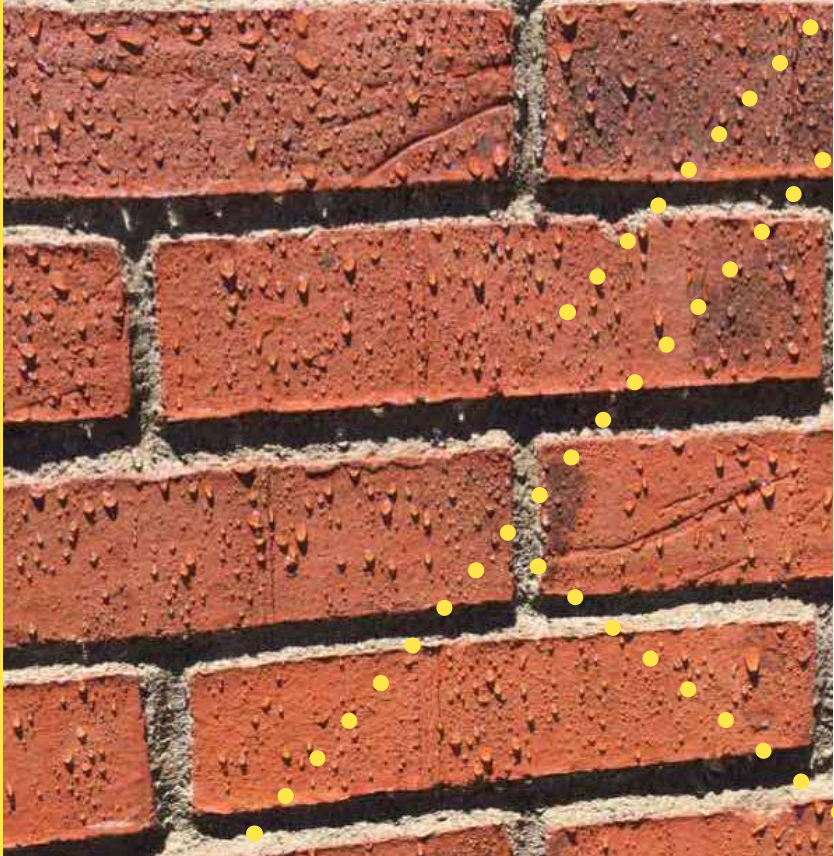


READY-TO-USE WATER REPELLENT

CIDEX SIL 51T LU



Description

CIDEX SIL 51T LU, is a water-repellent water-based agent, based on potassium silicate, used for the hydrofugation treatment of porous materials used in construction.

Uses and fields of application

The CIDEX SIL 51T LU, a water-repellent, water-repellent primer with impregnation and waterproofing that can be used for the treatment of mineral substrates, especially for the finishing of exposed brick, concrete, micro-cement, natural stones, ceramics, fiber cement, etc. It is an excellent barrier to capillary absorption of water without forming a film on the support. This primer does not clog pores and maintains high permeability to water vapor.

It is also used for the treatment of fired clays, tiles, bricks, plaster surfaces and thermal and acoustic insulation.

Properties

Great decrease in water absorption in the treated materials, consequently:

- Increases resistance to atmospheric agents (SO₂ acid rains)
- Resists -UV radiation.
- It does not age due to the action of oxide because it does not have unsaturated double

bonds.

- Provides great water repellency by keeping pores open.
- Limits the development of fungi and molds. (greening)
- Contributes to the fight against efflorescence.
- Minimum sensitivity to freeze-thaw cycles, preserving the initial appearance and permeability to water vapor ("breathing")

General recommendations

The maximum efficacy of the treatment is reached once the CIDEX SIL 51T LU has reacted. The time required for the reaction depends on the nature of the support and the possibilities of a good gas exchange with the medium. This period can be estimated between 3 - 7 days, however, after 24 hours of drying, the treatment is effective. If the treatment has been carried out by capillary ascension, it takes 6-10 months to achieve optimal efficacy.

Due to its alkaline character, the materials used for storage and handling must be suitable for alkaline products, avoiding aluminum or light metal alloys.

Avoid applying it on aluminum carpentry, wood and light alloy fittings.



READY-TO-USE
WATER
REPELLENT

**CIDEX SIL
51T LU**

Packaging

In packages of 5 and 25 kg



CIDEX SIL 51T LU

APPLICATIONS RULES

Preparation of the substrate:

Dilution

The material comes ready for use.

Product application

ABOUT CONSTRUCTION SUBSTRATE:

Treatment of exposed face surfaces, mortar, monolayer decorative, microcement, plaster and monuments.

The CIDEX-SIL SP-51T LU, can be applied by roller, brush and airless gun, on the supports being exempt of surface water and minimum mass humidity. It is advisable, in aesthetic coatings such as facing brick, the monolayer and the microcements, use the roller to avoid causing leaks in the application they can leave marks. Dark colors may undergo slight variations from tonality, it is advisable to test the material before application.

TREATMENT OF COOKED CLAYS, TILES;

Usually done by dipping the pallets in a bath from CIDEX SIL 51T LU. Immersion duration of 0.5 to 5 min, air-dried in a storage center. As the production of each manufacturer is so particular it is convenient before any industrial manufacturing to define:

- The dilution of silicate that best suits.
- The duration of the immersion treatment
- The theoretical level of waterproofing.



READY-TO-USE
WATER
REPELLENT

**CIDEX SIL
51T LU**



APPLICATIONS RULES

Preparation of the support

BRICKS

Hydrophobing is generally discouraged on finished work. In the factory you can proceed in conditions indicated in the previous section: On the facade it would be carried out by spraying.

Treatment for capillary ascension;
The waterproofing is done by injecting the CIDEX SIL 51T LU at the base of the construction to waterproof the network capillaries of the material and prevent the rise of water.

Thermal and acoustic insulation treatment:
Among the products for waterproofing, the CIDEX SIL 51T LU has the advantage of being able to use both incorporated in the dough, such as by spraying on the finished material

Consumption

Depending on its use and the nature of the support your consumption may vary
For mortar facades and exposed face the consumption is approximately 5m² for each liter.

Tools and cleaning

Roller (foam, wool or fiber), airbrush or airless gun, paintbrush or brush.
The brushes, rollers and tools used for projections (airless) must be cleaned with water before drying of CIDEX SIL 51T LU.



READY-TO-USE WATER REPELLENT

CIDEX SIL 51T LU



TECHNICAL DATA

Product identification data

Consistency:	aqueous solution
Colour:	Pale yellow
Density (g / cm³):	1.15
PH:	8-9
Solid content:	15%

Application data

Dilution ratio:	ready to use
Dry time to touch:	2 / 3h
Water drying time:	24h
Maximum performance:	7 days
Application temperature:	from + 5 ° C to + 35 ° C

Final features

VOC content in the ready-to-use product (European Directive 2004/42 / EC) (g / l)	≤ 0,1
--	-------



SAFETY AND HYGIENE INFORMATION

It is not classified as dangerous according to current regulations on mixtures. For any information related to safety issues in the use, handling, storage and disposal of waste of chemicals, users should refer to the most recent version of the MSDS product.

Empty containers must be disposed of in accordance with current legal regulations.

STORAGE CONDITIONS

The shelf life of the material is 12 months from the date of manufacture provided it is kept in dry and protected from the weather. (Must be stored in closed original container at temperatures between 5°C and + 35°C, once the container is opened, the entire product must be used).

NOTE: The instructions for use are made according to our tests and knowledge and do not imply commitment. They do not free the consumer from the examination and verification of the products for their correct use. The company's liability will be limited to the value of the merchandise used.

SPECIFICATION DATA

One-coat application by saturation of ready-to-use primer type CIDEX SIL 51T LU by Ecolanic or equivalent, water-repellent with drop effect, colorless by impregnation and waterproofing of water on exposed mortar, concrete or brick façade by roller or air less gun.

The product must have the following technical characteristics:

Consistency: aqueous solution
Colour: pale yellow
Density (g / cm³): approx. 1.15
Solids content) (%): approx. fifteen
Consumption (kg / m²): 0.2

