

## IDROGEL

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IDROGEL is a single-component, ecological, water-based, solvent-free, hydrophobic silane gel composed of silane monomer, easy to apply, for the restoration of masonry affected by rising damp and the presence of salts in solution, leaving the breathability of the same unchanged.

- Dehumidifying
- Restoration
- Resistant
- Versatile
- Antibacterial
- Anti-Mould
- Highly Adhesive
- Quick
- Light
- Easy
- Pollution Resistant
- Waterproof



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## FIELDS OF APPLICATION

IDROGEL Silane Gel used as it is as a hydrophobic agent for masonry affected by rising damp and with the presence of salts, it is applied directly in the horizontal holes made in the masonry made up of reinforced concrete structures, blocks filled with cement conglomerate and expanded clay granules, solid bricks, facades exposed, historical masonry composed of stone and brick, with a simple tube sealant gun. Its high thixotropy makes it suitable for any type of injection, it does not drip and does not disperse in the cavities of the masonry.

## Application

The walls to be treated with IDROGEL Silane Hydrophobic Gel must be prepared by creating a line of holes with a diameter of 12mm, with a linear course at a height of about 12-15 cm from the finished walking surface and with a distance between centers of about 12cm from each other. The depth of the hole must be 5 cm less than the thickness of the masonry. The hole will be filled by injection with a tube sealant gun, until the hole is completely filled.

If plastering is required the restoration of the walls will then be completed with the plasters of the Dehumidification and Restoration Line with the use of SPRIZZO ANTISALE as the first base layer and then with INTOSTORICO or INTOPORE.

The application of INTOCIVILE smoothing, in the 0.4 and 0.8 Natural or White Botticino variants, can take place after appropriate curing of the substrate, calculating an average of 2-3 days for every cm applied. These times may vary due to temperatures and application conditions.

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## Finishes

The choice of using a Lime or Potassium Silicate product constitutes the natural completion of a cycle that includes a finish having similar characteristics, particularly as regards breathability, to that of the smoothing and base plaster. The use of the products of the TCS Finishing Line composed of lime putty CL 90 or Potassium Silicate as a binder, are the obligatory choice to realize in a coherent and certain way, those expectations of a performance and aesthetic nature that are the basis of the choice of the cycle TCS. If you want to leave the INTOCIVILE without a colored finish, we recommend applying the water-repellent protective T110 or T110 PLUS from the TCS Protective Line.

## ITEMS SPECIFICATIONS

Treatment of masonry affected by rising damp with TCS Dehumidifying System, by injection of IDROGEL Silane Hydrophobic Gel. The masonry must be prepared by making a line of holes with a diameter of 12mm, at a maximum height of 12-15 cm from the finished walking surface and with a distance between centers of about 12 cm, the depth of the hole will be 90 % of the total thickness of the masonry. The hole will be filled with a sealant gun, with IDROGEL Silane Gel, which complies with the following control parameters: real density: 1000 kg / m<sup>3</sup>, active substance: 41%. The restoration of the walls will then be completed with the plasters of the Dehumidification and Restoration Line with the use of SPRIZZO ANTISALE as the first base layer and then with INTOSTORICO or INTOPORE

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## Avvertenze

- Product for professional use.
- Do not modify the product.
- Store the product in a dry place, in its original closed packaging.
- Before using the product, consult the safety data sheet.
- The data shown correspond to the technical and application knowledge in our possession for an appropriate use of the product, therefore we recommend carrying out a preliminary practical test in order to verify the suitability of the product for its intended use and consumption.
- Protect surfaces from atmospheric phenomena, sun, wind, rain and frost.
- Since our company is not the executor of the works and not being able to intervene directly on the conditions of the construction sites and on the methods of execution of the works, the indications given are to be considered of an indicative and general nature, therefore not binding for the same.
- The company reserves the right to make any changes it deems necessary at any time and without notice.
- For further information and practical demonstrations relating to the products consult our technical service.
- Always refer to the updated versions of the technical data sheets available on the website [www.tcs-srl.it](http://www.tcs-srl.it)

## Dati Tecnici

**PRODUCT TYPE** Hydrophobic Silane Gel

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**ACTUAL DENSITY** average 1000 kg/m<sup>3</sup>

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**DILUTION** ready to use

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**ACTIVE PART** 41%

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**CONSUMPTION** wall thickness 25 cm, from 310g to 770g per m (length of wall) depending type of wall

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**CONSUMPTION** wall thickness 30 cm, from 400g to 960g per m (length of wall) depending type of wall

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**CONSUMPTION** wall thickness 35 cm, from 450g to 1100g per m (length of wall) depending type of wall

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**CONSUMPTION** wall thickness 40 cm, from 550g to 1350g per m (length of wall) depending type of wall

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**CONSUMPTION** wall thickness 45 cm, from 620g to 1550g per m (length of wall) depending type of wall

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**CONSUMPTION** wall thickness 50 cm, from 700g to 1750g per m (length of wall) depending type of wall

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**CONSUMPTION** wall thickness 55 cm, from 770g to 1990g per m (length of wall) depending type of wall

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**CONSUMPTION** wall thickness 60 cm, from 850g to 2100g per m (length of wall) depending type of wall

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**PACKAGING** Cartridge 300g, Bucket 5 or 17 kg

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**STORAGE** 12 months from date of production store in original unopened packaging

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**APPLICATION TEMPERATURE** da +5°C a +32°C

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**REACH CLASSIFICATION** Refer to SDS