

Protective

# HIDRO SST

Eco-friendly, water-based, deep-penetrating, impregnating agent to protect natural stone against rising damp.



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**HIDRO SST** is a top-quality impregnating treatment to protect natural stone against the harmful effects of water and rising damp. It is characterised by a 100% water-based, eco-friendly formula and for its lack of volatile organic compounds (V.O.C. Free), therefore, its use is not harmful to the environment or for the health of users, either during or after application. The specific characteristic of **HIDRO SST** is that of penetrating natural stone deep down, ensuring strong, lasting protection without compromising the original breathability of the surface, since it does not create any type of film. It also does not alter the original appearance of the material.

**HIDRO SST** is a product that combines water-repellent properties with a good resistance to rising damp, which is responsible for the majority of problems generally found on natural stone: persistent damp marks, formation of rust, yellow damp marks, flaking or detached surfaces (pitting), salt efflorescence and surface aggressions. Unlike traditional water-repellent and damp-proofing treatments available, **HIDRO SST** helps to increase the resistance of the natural material to dirt and foot traffic, working as a definitive solution due to its high resistance to the action of dewaxers. **HIDRO SST** is also certified for contact with foods and therefore, is a valid solution for protecting kitchen worktops.

**HIDRO SST** is particularly recommended for pre-installation treatment on natural surfaces:

- it is used as a 6-side, pre-treatment to prevent rising damp, leaving a high degree of protection without compromising adherence between the underside of the material and the bonding agent used, even in the event that stone can be installed with simple cement mortar or mechanical securing.
- it is used as a 5-side, pre-treatment (*top+edge*) in the event that stone can be installed with top-quality mortar or mechanical fastening.
- it is used as a subgrade pre-treatment (*back treatment*) together with a 5-side, pre-treatment (*top+edge*) in the event that stone can be installed with a bonding agent that cannot be used with a 6-side treatment carried out using the same product.

Pre-treatment of natural stone is highly recommended as it makes it possible to protect natural materials from the earliest stages of installation, avoiding all problems linked to moisture absorption from the laying bed (screed and adhesive) or the processes that the natural stone undergoes (bonding, grouting, mechanical polishing). It is always advisable to pre-treat natural stone, but it is more important to do so when the surface is absorbent and sensitive, especially and above all, according to the characteristics and performance of the adhesive used.

**HIDRO SST** is an extremely valid water-proofing solution for natural stone that has already been laid. In this case, however, the protection against rising damp will depend on the moisture already present inside the material, which will have already been subject to moisture during the laying process. To get the best possible performance, including with regard to protection against rising damp, it is therefore necessary for the surface to be free from older damp stains and it is also important to make sure that the surface being treated is as dry as possible; this is to allow the product to penetrate correctly. In any case, it is always preferable to pre-treat natural stone.



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On material that is particularly difficult to protect, **HIDRO SST** is also extremely effective when used as a protective primer before applying a stain-proofing product to the surface. HSST boosts the stain-proofing action of a protective coating, increasing its durability and resistance to foot traffic.

### CHARACTERISTICS AND BENEFITS

- ✓ **Protects** material from rising damp
- ✓ **Prevents** the formation of salts and efflorescence
- ✓ **Water-based** product
- ✓ **Eco-compatible** solution
- ✓ **VOC Free**
- ✓ **Suitable for contact with foods**
- ✓ **Does not change the original appearance of the treated surface**
- ✓ **Does not film**
- ✓ High **capacity to penetrate** into the subfloor
- ✓ **Durable protection**
- ✓ **Simplifies grout removal** and cleaning after installation
- ✓ **Does not change breathability**

### USES

This product **can be used** on both indoor and outdoor surfaces.

**Suitable** for use on: Marble, granite, limestone, sandstone, slate, basaltina, quartzite, porphyry, travertine, marble-cement agglomerate, marble-resin agglomerate.

### COVERAGE

10/15 m<sup>2</sup>/l

### APPLICATION EQUIPMENT

Brush, Lambswool applicator, Roller, Airless, Immersion, Production line

### APPLICATION STEPS

#### *Preparing and cleaning the surface*

1. Carefully clean the surface, making sure to remove any dust or dirt present.
2. Never apply HIDRO SST to wet surfaces. The product can be used on slightly damp surfaces; nonetheless, please ensure that the surface to be treated is as dry as possible.
3. Apply HIDRO SST to surfaces with a temperature of between +5 and +40°C
4. Any adjacent surfaces not being treated with the product must be protected.

#### *Application as pre-installation treatment*

This operation is generally carried out in the factory or on site, including a short period from material installation. Usually, material for laying is treated during the “dry laying” stage, which is frequently used as it allows the position of each single piece to be assessed. Alternatively, we recommend laying out the material on a clean, dry area that is large enough to treat the natural stone slabs or tiles.



## Protective

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The natural stone pre-treatment stage using Faber Chimica solutions starts from the upper surface of the material (*top*) and then the sides (*edges*), followed, after the product has dried, with the underface, which will be in contact with the glue (*bottom*).

5a. Apply a layer of product, taking care to create an even coating that covers the whole surface, including both the *top* and *edges* of the slab or tile. After about 5-10 minutes and in any case, before the product dries, even out any product residues remaining on the surface, taking care to distribute them uniformly with a roller, lambswool applicator or brush. For a perfectly clean surface in this stage, we recommend redistributing residues until they have been completely eliminated. This redistribution phase will simplify the subsequent removal of any other dry residues. If not redistributed, residues can be removed with a cloth, a white pad or a floor polisher, using a small amount of water. Nonetheless, it is always better to carry out a redistribution of the product as this will speed up the following laying operations.

6a. Wait around 1-2 hours for the product to dry; reposition the slabs or tiles in order to be able to treat the underside (*bottom*), proceeding as described above. We recommend re-positioning the slabs and treating the underface (*bottom*), starting with the first slab to have been given top + edge treatment.

7a. The product residues, redistributed as described above, can be easily removed once the material is completely dry and before it is boxed up, using a white pad or a damp cloth. It can also be removed directly on site, before the slabs or tiles are laid, using a white pad or damp cloth, or immediately after laying, using a floor polisher with white disc. If the material laid needs to be polished, the residues will be removed directly during the polishing operations.

The pre-treatment on 6 sides (*top+edge+bottom*) with HIDRO SST can be carried out using roller, brush or lambswool applicator, or by completely immersing the individual tiles or slabs of material. In this case, fill a large enough container for the tiles with product and completely immerse one tile at a time, for about 10-15 seconds. Immediately after, proceed to redistribute the product residues over the surface, as described above, using a clean cloth.

### **Drying time for pre-installation treatment.**

Before proceeding to lay the tiles or slabs treated with HIDRO SST wait at least 24 hours.

### **Opening to floor traffic after pre-installation treatment**

Once laid, the treated slabs or tiles can be opened to foot traffic.



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### **Application as post-installation treatment**

5b. Apply a layer of product, taking care to create an even coating that covers the whole surface. After about 5-10 minutes and in any case, before the product dries, even out any product residues remaining on the surface, taking care to distribute them uniformly with a roller, lambswool applicator or brush. This redistribution phase will simplify the subsequent removal of any other dry residues. If not redistributed, residues can be removed with a cloth, a white pad or a floor polisher, using a small amount of water. Nonetheless, it is always better to carry out a redistribution of the product as this will speed up the following laying operations.

6b. The product residues, redistributed as described above, can be easily removed using a white pad or a damp cloth in cases of surfaces with a limited area or using a floor polisher with white disc for larger areas.

When applying to a porous and therefore, more absorbent surface, where HIDRO SST is absorbed without leaving residues, we recommend a second coat of product. It is also possible to increase the dirt-resistant properties added by the product, by polishing the surface with a floor polisher and white disc. If the material laid needs to be polished, the residues will be removed directly during the polishing operations.

### **Opening to floor traffic after post-installation treatment**

The surface can be opened to floor traffic about 2-3 hours after the product has been applied.

### **Drying time for post-installation treatment**

The product will be completely dry in about 24 hours, during which it must be protected against all contact with water or moisture.

### **Production line application**

HIDRO SST can be applied using special equipment as part of an industrial production/treatment line. Based on the characteristics of the line available, the product will generally require an application stage using a sprinkler, silicone roller or other suitable means; this must be followed by the removal of residues, to be carried out with special brushes or pads.

**For more information about how to use the HIDRO SST line or for other specific solutions for industrial use, please contact our Technical Division.**

### **COMPLEMENTARY CLEANING AND MAINTENANCE PRODUCTS**

- For *routine cleaning* of a surface treated with HIDRO SST, we recommend: NEUGEL or ALGAFLOOR
- For *extraordinary cleaning* of a surface treated with HIDRO SST, we recommend: FABER 30 or DETERFUG, according to the type of stone to be cleaned
- To increase the *stain-proof protection* of an unpolished surface treated with HIDRO SST, we recommend: HIDRO 150 or B1 700



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## INSTRUCTIONS AND GUIDELINES

- This is a ready-to-use product and does not need to be diluted.
- Never apply the product to a wet surface
- Do not apply the product to overly heated surfaces
- Apply the product to surfaces with a temperature of between +5 and +40°C
- When applying to recently laid or grouted surfaces, wait for the adhesive or grout to cure completely.
- Before applying the product to the whole surface, it is advisable to test a small, unexposed area or unused piece to check its suitability for use.

## EQUIPMENT CLEANING

At the end of application, the equipment used can be washed using water.

## SAFETY

When applying the product, always use suitable personal protective equipment and follow the instructions on the product safety data sheet with care.

## PACKAGING

- 1 l bottles - 12 bottles per box
- 5 l cans – 4 cans per box
- 25 l cans – loose cans

## STORAGE

Keep the container tightly closed and store in a cool, dry place.

## SHELF LIFE

36 months in the original, sealed packaging, stored in a cool, dry place.

## PHYSICAL AND TECHNICAL INFORMATION

Aspect	: Liquid
Colour	: Transparent
Odor	: Odourless
pH	: 11 ± 0,5
Specific gravity (20°C)	: 1020 ± 10 g/lt.
VOC content (UNI EN ISO 11890-2:2007)	: <0,05%
VOC emission (GEV Met. ed. May 2010)	: N.R. (lower than the method quantification limit)



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### HAZARD IDENTIFICATION



H315	Causes skin irritation
H319	Causes serious eye irritation.
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves/clothing/eye protection/ face protection.
P302+P352	IF ON SKIN : wash with plenty of water and soap.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313	If skin irritation occurs: call for a doctor.
P362	Take off contaminated clothing and wash them before reusing.

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This technical data sheet supersedes all previous versions. Always refer to the latest version of the data sheet, available on [www.fabersurfacecare.com](http://www.fabersurfacecare.com) site. Faber Chimica reserves the right to update and / or modify the data and information contained in the data sheet.

*The information in this data sheet is based on our wide experience in technical and operational research. In any case you should always make a preliminary test to verify the suitability of the product for the intended use and the type of material on which it will be applied. The information and the suggestions can't be construed as a commitment or result in our responsibility as the conditions and method of use of the product cannot be controlled by us. Therefore Faber Chimica Srl disclaims any liability with regard to the use of such data and suggestions.*

