

Protective

HIDRO PROTECTOR MM

High-performance, eco-friendly, water-based, impregnating sealer to protect natural stone against rising damp and stains.



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HIDRO PROTECTOR MM is a high-performance impregnating treatment to protect natural stone against staining and 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 PROTECTOR MM** is that it penetrates 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 PROTECTOR MM** is a product that combines water-repellent properties with a stain-proofing function in a single solution, especially on glossy surfaces. It also adds a marked resistance to rising damp, 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 stain-proofing protective treatments available, **HIDRO PROTECTOR MM** 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 PROTECTOR MM** is also certified for contact with foods and therefore, is a valid solution for protecting kitchen worktops.

HIDRO PROTECTOR MM is particularly recommended for pre-installation treatment on natural surfaces:

- it is used as a 6-side pre-treatment to combat any form of rising damp and to ensure maximum protection. In this case, the installation of slabs or tiles must be carried out using high-quality adhesive or mechanical fastening.
- it is used as a 5-side pre-treatment (*top+edge*) without any further processes. In this case, the installation of slabs or tiles must be carried out using a medium-high-quality adhesive.
- It can be used as a pre-treatment on 5 sides (*top+edge*), together with a treatment applied to the underside (*bottom*), in the event that slabs or tiles are used with a medium-low quality adhesive or simple cement-mortar mix.

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.



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HIDRO PROTECTOR MM is an extremely valid solution to stain- and waterproof 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.

In both cases, pre- or post-installation, **HIDRO PROTECTOR MM** is an excellent stain-proofing product for glossy compact surfaces that have been polished, brushed or flamed. In case of application to rough, matt or unfinished surfaces, **HIDRO PROTECTOR MM** can be combined with a surface stain-proofer to achieve maximum performance; it will act as a primer to maximise the effectiveness and durability of the stain-proofing treatment applied successively.

HIDRO PROTECTOR MM is strongly indicated to treat natural stone before it is smoothed and polished, especially when there is a high degree of absorption and an excessive use of abrasives (diamond discs). **HIDRO PROTECTOR MM** makes polishing operations simpler, limiting water absorption by the surface, preventing the problems linked to the passage of moisture, drastically reducing the time needed for surfaces to dry and limiting the use and overheating of the accessories used for polishing, extending working life as a result.

CHARACTERISTICS AND BENEFITS

- ✓ **Excellent** stain-proofing **properties** on polished materials.
- ✓ **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.



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COVERAGE

10/15 m²/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 PROTECTOR MM 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 PROTECTOR MM 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.

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 operation is essentially important since it allows easy removal of any dry residues on the surface of the material, which if not re-distributed will be particularly hard to remove.

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. This process applies when using HIDRO PROTECTOR MM and also when using a different product for the underside only.

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.



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The pre-treatment on 6 sides (top+edge+bottom) with HIDRO PROTECTOR MM can be carried out using roller, brush or lambswool applicator, or by completely immersing the individual tiles. 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 PROTECTOR MM 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.

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 operation is essentially important since it allows easy removal of any dry residues on the surface of the material, which if not redistributed will be particularly hard to remove.

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 PROTECTOR MM 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

The product 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 PROTECTOR MM line or for other specific solutions for industrial use, please contact our Technical Division.



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COMPLEMENTARY CLEANING AND MAINTENANCE PRODUCTS

- For *routine cleaning* of a surface treated with HIDRO PROTECTOR MM, we recommend: NEUGEL or ALGAFLOOR
- For *extraordinary cleaning* of a surface treated with HIDRO PROTECTOR MM, 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 PROTECTOR MM, we recommend: HIDRO 150 or B1 700

INSTRUCTIONS AND GUIDELINES

- This is a ready-to-use product and does not need to be diluted.
- If not correctly re-distributed after application, the product will leave a surface residue that is particularly hard to remove. To remove this residue, we recommend using a clean cloth or white pad, moistened with HIDRO PROTECTOR MM, removing all of the product and its residues.
- 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.

PHYSICAL AND TECHNICAL INFORMATION

Aspect	: Transparent liquid
Color	: Colourless
Odour	: Odourless
pH	: 11 ± 0.5
Specific gravity (20°C)	: 1050 ± 5 g/lit.
VOC content (UNI EN ISO 11890-2:2007)	< 0,05%
VOC emission (Met. GEV ed. May 2010)	N.R. (less than established by the quantification method)

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.



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PACKAGING

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

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 soap and water.
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: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.



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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 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.

