PROFESSIONAL LINE

*Protective Treatments*

# PROTEX WB

## High-performing, LEED-mapped, water-based sealer protects natural stone against rising humidity and staining agents

**PROTEX WB** is a high-performing treatment to protect natural stones against staining agents and rising humidity. It's water-based, LEED-mapped, and its formula is VOC-FREE. Thanks to its ability to penetrate the thickness of the material it ensures a strong and long-lasting protection.

**PROTEX WB** doesn't create a film on the surface and therefore it preserves the original breathability of the material.

**PROTEX WB** protects the stone against all humidity-related issues such as rust, yellowing, flaking, and salt efflorescences. The protection that the products provide reduces the ability of the surface to collect dirt.

**PROTEX WB** is particularly recommended as a pre-installation treatment on natural surfaces:

- It can be applied on the **6 sides** of the tile as a pre-treatment in order to fight the absorption of rising humidity and to ensure maximum protection. In this case, the installation of slabs or tiles must be done using high-quality adhesive or mechanical fixing.
- It can also be applied on the **5 sides** of the tile as a pre-treatment (top+edge) without any further processes. In this case, the installation of slabs or tiles must be done using a medium-high-quality adhesive.
- it can also be applied on the **5 sides** of the tile (top+edge) while applying a different treatment on the bottom. in this case, the slabs or tiles can be installed with a medium-low quality adhesive or simple cement-mortar mix.
- It can be applied to protect natural stones that have already been laid against staining agents and rising humidity. When the product is applied **after the installation**, the degree of water-proof protection depends on the moisture that has been inside the material since the laying process. To get the highest degree of achievable protection against rising humidity is, therefore, necessary to remove all the yellowing from the surface and it's also important to make sure that the surface being treated is as dry as possible. This will allow the product to penetrate correctly. In any case, we always recommend pre-treating natural stone to efficiently protect it.

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| **BENEFITS** | ✓ Water-based<br>✓ Highly effective against humidity, salts, and efflorescences<br>✓ VOC FREE<br>✓ LEED-mapped<br>✓ Long-lasting protection |
| **USES** | This product can be used indoors and outdoors.<br>Suitable on: Marble, granite, limestone, sandstone, slate, basaltina, quarzite, porphyry, travertine, marble-cement agglomerate, and marble-resin agglomerate. |
| **COVERAGE** | 10/15 $m^2$/l |
| **APPLICATION EQUIPMENT** | Immersion, Lambswool applicator, Roller, Cloth. It's suitable to be applied on the Production line. |

MADE IN ITALY 100%



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## APPLICATION STEPS

### *Surface preparation*

- Carefully clean the surface, making sure to remove any dust or dirt.
- Never apply **PROTEX WB** to wet surfaces. The product can be applied on slightly humid surfaces. Please ensure that the surface to be treated is as dry as possible.
- Apply **PROTEX WB** to surfaces at a temperature between +5 and +40°C
- Any surface nearby not to be treated must be protected.

### *Application as pre-installation treatment*

*Before applying the product is necessary to take a preliminary test on an unexposed area or unused piece of material to check the product's suitability.*

The application is generally done in the factory or on-site. The application can also be done not too long before the installation of the material. Usually, the material that has to be installed is treated during the “dry laying” stage, which is frequently used as it allows one to decide on how to correctly position every single piece. 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’s solutions starts from the upper surface of the material (top) and then the sides (edges), followed by the bottom but only when all the other sides have dried out.

- Apply an even layer of product to cover the whole surface, including top and edges of the slab or tile. After about 5-10 minutes, before the product dries, even out any superficial residues, with a roller, lambswool applicator or a brush. For a perfectly clean surface, we recommend keep distributing the residues until they have been completely eliminated. Evening out the residues is important because when they dry out on the surface they are particularly hard to remove.
- Wait around 1-2 hours for the product to dry. Move the slabs or tiles in order to treat the bottom, proceeding as described above. We recommend treating the bottom following the same order as the first application. This process applies when using **PROTEX WB** and also when using a different product for the bottom only.
- The product residues, redistributed as previously described, can be easily removed once the material is completely dry and before it’s 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. The residues can be removed immediately after laying, using a single disk machine with a white pad. 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 **PROTEX WB** can be done with a roller, a brush, a lambswool applicator, or by immersion. In this case, fill a large enough container to lay the tile in. Fill the container with the product and completely immerse one tile at a time, for about 10-15 seconds. Immediately after, proceed to spread the product residues over the surface, as described above, using a clean cloth.

### *Drying Time*

Before proceeding to lay the tiles or slabs treated with **PROTEX WB** wait at least 24 hours. Once laid, the treated slabs or tiles can be opened to foot traffic.



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## APPLICATION STEPS

### *Application as post-installation treatment*

*Before applying the product is necessary to take a preliminary test on an unexposed area or unused piece of material to check the product's suitability.*

- Apply a layer of product, taking care to create an even coat that covers the whole surface. After about 5-10 minutes, before the product dries, even out any residues of product spreading them with a roller, a lambswool applicator or a brush. Evening out the residues is important because when they dry out , they are particularly hard to remove.
- The product residues, redistributed as previously described, can be easily removed using a white pad or a damp cloth. For larger areas we recommend a single disk machine with a white pad.
- When applying the product to a more absorbing surface, where **PROTEX WB** is easily absorbed with no residues, we recommend to apply a second layer of product. It is also possible to increase the dirt-resistance of a surface by polishing it with a single disk machine and a white pad. If the material needs to be polished, the residues will be removed directly while doing so.

### *Drying Time*

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

### *Production line application*

The product can also be applied on the production line. Based on the characteristics of the production line, the product will generally require an application stage using a sprinkler, silicone roller or other suitable tools. This must be followed by the removal of residues, with special brushes or pads.

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

## INSTRUCTIONS AND GUIDELINES

- This is a ready-to-use product and does not need to be diluted.
- If not correctly distributed after the 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 **PROTEX WB**, 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 between +5 and +40°C
- When applying to recently laid or grouted surfaces, wait for the adhesive or grout to dry completely.
- Before applying the product to the whole surface, we recommend taking a preliminary test on a small, unexposed area or on a tile that has not been installed to check its suitability.

## EQUIPMENT CLEANING

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

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## PHYSICAL-TECHNICAL DATA

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|---|---|
| Formula | *Liquid* |
| Color | *Clear* |
| Odor | *Unscented* |
| pH: | *11 ± 0.5* |
| Specific gravity a 20°C | *1050 ± 10 g/l* |
| VOC content (UNI EN ISO 11890-2:2007) | *< 0,05%* |

**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.

**PACKAGING** 950 ml bottles – 12 bottles per box
5 l bottles – 4 bottles per box
25 l tanks

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

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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 datasheet.**

*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 concerning the use of such data and suggestions.*



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