# BS H2O

Back treatment against rising damp for natural stone and absorbent materials

BS H2O is a water-repellent emulsion based on reactive resins in water. It is applied as a back treatment to the underside of tiles and slabs before installation. It forms a tough protective membrane that stops moisture from rising through the capillaries of the material, without affecting its original breathability. At the same time it improves adhesion between the treated material and the adhesive. BS H2O is always used together with a Faber pre-installation protector applied to 5 sides (top and edges), for maximum protection and perfect adhesion with any type of adhesive.

## Properties

Water-based. Highly effective against rising damp, salts and efflorescence. Ensures optimum adhesion with the adhesive. Does not alter the breathability of the material. Ready to use, do not dilute. Suitable for indoor and outdoor use.

## Suitable materials

Marble, granite, limestone, travertine, quartzite, slate, sandstone, basaltina and lava stone, cement tiles and marble-cement agglomerate. The Faber product page also lists porphyry and tuff. Always carry out a test on the actual material.

## Technical data from EN TDS rev. 3.0

| | |
|---|---|
| **Form** | liquid · Colour: white · Odour: characteristic |
| **pH** | 9.5 ± 0.5 |
| **Specific gravity** | 1020 ± 10 g/l at 20 °C |
| **Coverage** | 10-15 m²/l |
| **Tools** | brush, lambswool applicator, roller |
| **Drying time** | handling after 15-30 minutes · installation after at least 24 hours |
| **Packaging** | 1 l · 12 bottles per box<br>5 l · 4 cans per box |

Manufacturer: Faber Chimica S.r.l. Via G. Ceresani 10, 60044 Fabriano (AN), Italia +39 0732 627178 · info@fabersurfacecare.com

## Distributor: Stone+ bv

# Preparation and application

## 01 Preliminary test and preparation

First test on an inconspicuous area or a loose tile to check suitability. Clean the surface thoroughly and remove all dust and dirt. Never apply BS H2O to a wet substrate. The surface temperature must be between +5 and +40 °C. Protect adjacent surfaces that are not to be treated.

## 02 Work area

Treatment is usually carried out in the workshop or on site, preferably during the dry lay of the material. Otherwise, lay out the tiles or slabs on a clean, dry area large enough to treat them easily.

## 03 Protect top and edges

First treat the top and edges with the Faber protector best suited to the material. Let it dry completely.

## 04 Treat the underside with BS H2O

Turn the dry tile or slab over. Apply one coat of BS H2O to the underside, which will be in contact with the adhesive, covering the whole surface. Use a brush, lambswool applicator or roller. The product is ready to use and is not diluted.

## 05 Drying and installation

Allow 15-30 minutes to dry before handling the material. Wait at least 24 hours before installation.

## 06 Cleaning tools

Clean tools with water after use.

## Use and limitations

Do not apply to wet or overheated surfaces, and only at a surface temperature between +5 and +40 °C. BS H2O is intended for the underside (adhesive side) and does not replace the protective treatment of the top and edges.

## Use as a mortar additive

According to Faber, BS H2O can also be added to cement-based mortars as a bonding additive, for better chemical and mechanical resistance and better adhesion, even to old substrates in poor condition. The TDS gives no dosage for this; ask Stone+ or Faber.

## Safety

According to Faber SDS rev. 6 (22/02/2022), the product is not classified as hazardous under Regulation (EC) 1272/2008 (CLP): no hazard pictogram and no signal word. EUH208 Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) and 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction. EUH210 Safety data sheet available on request. Wear protective gloves (EN 374) and tight-fitting safety goggles (EN 166). In case of eye contact: remove contact lenses and rinse immediately with plenty of water. If swallowed: give plenty of water to drink and see a doctor immediately; do not induce vomiting unless a doctor advises it. Read the complete SDS before use.

## Storage and shelf life

Keep the container tightly closed in a cool, dry place. Shelf life: 36 months in the unopened original packaging, stored cool and dry.

## Sources and version differences

Stone+ adaptation based on Faber BS H2O EN TDS rev. 3.0 (CLP), 17-10-2022, and Faber SDS (IT) rev. 6, 22-02-2022. The IT TDS rev. 3.0 has the same date but differs on three points: it also lists airless spraying, a maximum surface temperature of +35 °C in the recommendations and cleaning with white spirit. For this water-based product, this sheet follows the EN TDS (+40 °C, cleaning with water). The FR and DE sheets (rev. 2.1, 11-07-2016) are older. The SDS states a pH of 10-11 (5 % solution); the TDS value of 9.5 ± 0.5 is used. VOC content and UFI code are not stated in the sources. Use as a mortar additive comes from the Faber product page and the FR sheet rev. 2.1. A preliminary test is always required.