



ACQUABLOCK®

CONSOLIDATING ANTI-INFILTRATION PROTECTION FOR STONE MATERIALS



User guide

DESCRIPTION:

ACQUABLOCK® is a consolidating, water-repellent anti-infiltration treatment based on ethyl silicate and siloxane oligomers, dispersed in an aliphatic paraffinic solvent. The product is designed to reduce capillary water absorption, strengthen the internal structure of stone materials, and counteract water infiltration caused by micro-cracks and surface fissures without altering the appearance of treated surfaces.

FIELDS OF APPLICATION:

ACQUABLOCK® is recommended for consolidating, water-repellent anti-infiltration treatments on interior and exterior floors and wall coverings made of:

- terracotta
- natural stone
- marble
- granite
- cement
- mineral plaster
- porcelain stoneware and ceramic materials

It is particularly effective for waterproofing grout joints in porcelain stoneware and clinker floors, as well as surfaces affected by water infiltration caused by material porosity or surface micro-cracks.

CHARACTERISTICS:

ACQUABLOCK®:

- can be used on interior and exterior surfaces, including terraces, balconies and bathrooms
- forms an invisible chemical barrier that drastically reduces water absorption
- consolidates grout joints and restores the original cohesion of materials
- eliminates water infiltration caused by surface cracks up to 1.5 mm
- helps prevent salt efflorescence, algae growth and surface deterioration
- offers excellent resistance to aging, foot traffic and weather exposure
- does not form surface films, does not alter the aesthetic appearance and does not yellow
- preserves the natural vapor permeability of the substrate
- allows floors to be protected without dismantling, reducing costs and invasive work

The treatment offers an indicative durability of approximately 10 years, provided there are no structural movements that generate new cracks; the product can be reapplied over time if necessary.

INSTRUCTIONS FOR USE:

The product must be applied undiluted on dry, clean and untreated surfaces.

Apply ACQUABLOCK® using a brush, soft cloth or fleece applicator, wetting the surface evenly until full saturation and following the material's absorption.

Pay particular attention to grout joints, seams and surface cracks.

After 5–10 minutes, completely remove any product that has not been absorbed by wiping with a dry soft cloth or absorbent paper.

Number of Coats

- 1 coat on low-absorption materials
- 2 coats on absorbent materials

If a second coat is required, it must be applied wet on wet, when the first coat is dry on the surface.

Drying Times

- Surface drying: 6–8 hours
- Complete consolidation: 24 hours

Protect the treated surface from rain or water for at least 24 hours after application.

PRECAUTIONS:

- Test on a sample area to check for any slight colour variation
- Protect glass surfaces before application
- Apply only on perfectly dry surfaces
- Do not apply on very hot surfaces, during strong direct sunlight or on windy days
- If cracks or fissures are wider than 1.5 mm, grout or fill the floor before applying the product
- In the case of floors with incorrect slopes that cause persistent water pooling, the product cannot solve existing structural issue
- ACQUABLOCK® does not form a sealing waterproof film. Therefore, it cannot be used to waterproof materials exposed to constant water pressure greater than 10 cm (e.g. swimming pools, tanks, etc.)
- The product cannot prevent deterioration (e.g. flaking or spalling) of materials that are unsuitable for outdoor use
- ACQUABLOCK® does not make materials frost-proof if they are poorly resistant to freeze–thaw cycles. Always verify the suitability of the material for outdoor applications.

NOTES:

Our recommendations are based on current research knowledge and are intended to give the best information to the buyer-user. However, these indications require preliminary examinations and tests to the fields of use, to the types of materials present and to the various conditions of application. The user decides independently on suitability and on the field of use. MARBEC Srl assumes no responsibility for the incorrect use of its products.
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WARNINGS:



WARNINGS: DANGER

Hazard statements: Flammable liquid and vapour. – May be fatal if swallowed and enters airways. – May cause drowsiness or dizziness. – Repeated exposure may cause skin dryness or cracking. – Causes serious eye irritation.

Precautionary statements: Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. – Avoid breathing dust/fume/gas/mist/vapours/spray. – Store in a well-ventilated place. Keep the container tightly closed. – Wear protective clothing/ eye protection / face protection. – IF SWALLOWED: Immediately call a POISON CENTER/doctor / ... – IF INHALED: Remove person to fresh air and keep comfortable for breathing. – Do not induce vomiting.

Contains: Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics < 2% aromatics, Tetraethylsilicate.

VOC (Directive 2004/42/ EC): Binding primers.

VOC given in g/litre of product in a ready-to-use condition: 650,00. – Limit value: 750,00.

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PACKAGING:

- 1 L tin – box of 6 units
- 5 L jerrycan – box of 4 units

YIELD:

- Marble, granite, stoneware, and low-absorbent materials: 1 L / 15–20 m²
- Terracotta, stone, terrazzo, cement, and absorbent materials: 1 L / 4–8 m²

TECHNICAL DATA:

- Physical state: clear, colourless liquid
- Specific gravity at 20 °C: 0.82 g/cm³
- pH: not applicable
- Flash point: 41 °C
- Water solubility: insoluble
- Odour: characteristic
- Drying time: 6–8 hours (depending on ventilation)

- Consolidation time: 24 hours

STORAGE:

Store the product tightly sealed, at a temperature between 5 and 30 °C, in a well-ventilated area and away from heat sources.

When properly stored, the product has a shelf life of 5 years.

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