

PW10

ECO-COMPATIBLE PRE-LAYING TREATMENT AGAINST EFFLORESCENCE



5 litres

Prevents contaminants from rising up to the surface without altering the adhesion properties of the adhesive. Protects the material and improves its cohesion thanks to its consolidating action.

CHARACTERISTICS AND ADVANTAGES

- Blocks contaminants from rising to the material surface
- Does not substantially alter the adhesion characteristics of the adhesive (according to UNI EN 1348-2009 and ASTM C482-02 R-2009)
- Water-repellent and consolidating action
- Does not alter the material's appearance
- A VOC-free product with a low environmental impact
- UV resistant
- Breathable



* The product has passed the applicable stringent requirements and conforms to all compulsory national standards (for example: French A+, CAM Edilizia, Belgian Regulation, AgBB, etc.) as well as innovative environmental sustainability criteria, such as LEED, BREEAM, WELL. For further information consult : www.filasolutions.com/ita/azienda/ricerca-e-sviluppo



MATERIALS

BACK OF NATURAL STONE SURFACES, GRANITE, MARBLE, AGGLOMERATES, TERRACOTTA AND ABSORBENT MATERIALS



FIELDS OF APPLICATION

- When applied to the back and sides of materials before installing them, the product stops contaminants (salts, tannins, ferrous substances etc.) rising up from the substrate to the surface of the material, preventing the formation of steaks or stains.
- Highly recommended for preserving materials in important or complex building sites.
- Limits the development of oxidation in materials subject to rising damp.
- When applied on 6 sides, it simplifies installation and subsequent cleaning operations, reducing the work time.
- Applied as a protection on new or restored outdoor coverings to consolidate them and make them water-repellent.
- Ideal for jobs complying with CAM criteria, Air Comfort Gold certificate*, free of solvents and VOCs 0 g/l.



INSTRUCTIONS

Application as a pre-laying efflorescence-blocking protective agent: thoroughly clean the back of the tile or slab, removing any dust and residues. Once the surface is dry, apply the product evenly and continuously on the back and on the edges of the material using a large flat paintbrush or airless sprayer, trying to avoid excess product.

Leave the product to dry from 12 hours (temperatures between 20°C and 40°C) to 24 hours (temperatures between 10°C and 20°C) before bonding the material. Bond the material by choosing the most suitable adhesive for the type of installation (according to the UNI EN 12004:2012-2 standard), or by consulting the binder's manufacturer. After laying and after the initial wash, the surface treatment can be completed with the water-based or solvent-based protective agent most suited to the material's intended use. The product can also be used to protect the surface. For further information, see the technical sheet.



WARNINGS

In case of glossy surfaces, pay special attention to the application method so as to avoid percolating the product on the front and staining the surface. Do not apply the product on the front of polished surfaces. It is advisable to verify with the manufacturer the suitable binder for the material's intended use. When used on a material that has resin and/or mesh on the back, PW10 must be applied only on the edges and on the top side.

In accordance with the UNI EN 1348-2009 and ASTM C482-02 R-2009 standards, it does not essentially alter the adhesion properties of the glue.

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TOOLS FOR APPLICATION



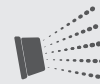
BRUSH



FLAT BRUSH



WAX
APPLICATOR



AIRLESS

For professional use only

The tools can be cleaned with water



TECHNICAL SPECIFICATIONS

Anti-ageing protective agent. A transparent liquid consisting of organic compounds of silica and potassium silicate dispersed in water (density: 1.031 kg/l; pH: 11.2). For concrete, plaster, bricks and tuff. For floor and wall applications, both indoors and outdoors. Water-repellent and consolidating action, dust-resistant action.

Prevents deterioration due to atmospheric agents, blocks efflorescence (chlorides, carbonates, sulphates and saltpetre).

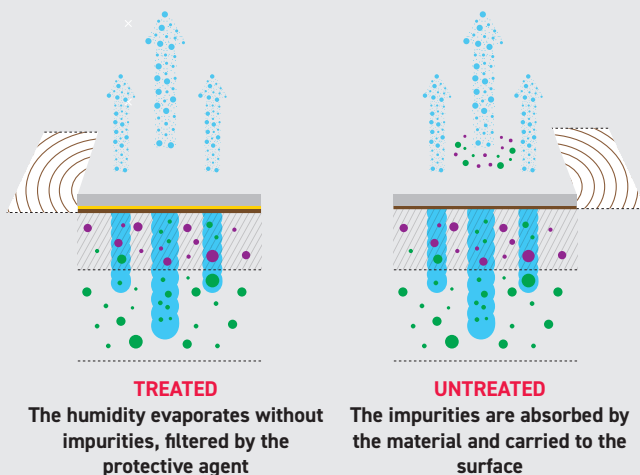
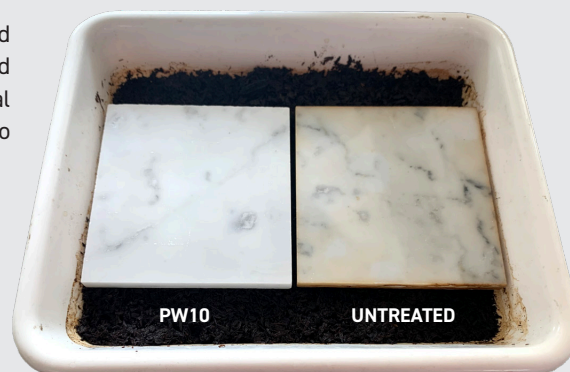
Hardens the surface. Breathable, UV-resistant and non-yellowing. A **VOC-free** product with a low environmental impact and **INDOOR AIR COMFORT GOLD** certificate. Manufactured by an **ISO 9001** and **ISO 14001**-certified company.



TECHNICAL TESTS

Efflorescence-blocking action: verified according to the internal standard. The treated material retains its original appearance. Colour variation assessed according to *UNI EN 15886:2010 - Colour measurement of surfaces*.

Internal test comparing a sample protected with PW10 and a similar untreated product. The specimens were put into direct contact with damp sawdust and other contaminants. Tannin and other impurities permeate the untreated material by capillarity, causing evident stains. The material treated with PW10 shows no alteration of its original appearance.



Compatibility with the adhesive: in accordance with **UNI EN 1348-2009** and **ASTM C482-02 R-2009**. The treatment with **PW10** does not substantially alter the glue's adhesion characteristics.

Pull-off test carried out on a material treated with **PW10** and on an untreated material:

GRANITE	TYPE C2 FTE ADHESIVE	
Adhesion after 28 days [N/mm ²]	MINIMUM THEORETICAL VALUE > 1.0 N/mm ²	
	UNTREATED	PW10
	1.9	2.0

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Water-repellent action verified according to **UNI EN 16302:2013** - *Measurement of water absorption by pipe method* (Karsten tube). **PW10** reduces absorption by up to 85%.

Breathability verified according to **ASTM E96M** - *Watervapour permeability of materials*. The treatment with PW10 maintains the breathability above 90% compared to the untreated material.

Withstands UV radiation, does not yellow. Ageing accelerated through exposure to UV radiation as per **ASTM G154**. Colour variation assessed according to **UNI EN 15886:2010** - *Colour measurement of surfaces*.

Does not alter the surface's original coefficient of friction.

HOW IT WORKS

PW10 has a water-based formula consisting of silica and silicates carefully balanced so that the protective effect does not significantly alter the adhesion with the binder. The treatment is versatile: when applied on the back, it permanently blocks efflorescence, while if applied on 6 sides it functions as a pre-laying treatment, protecting the material during the construction phase. It also limits the development of oxidation in materials subject to rising damp.



TECHNICAL FEATURES

COMPOSITION	Formulated with dispersions of organic compounds of silica and potassium silicates dispersed in a watery solution
APPEARANCE	Transparent colourless liquid
ODOUR	Odourless
DENSITY	1.031 kg/L
STORAGE TEMPERATURE	From 5°C to 30°C
APPLICATION TEMPERATURE	Between 10°C and 30°C
DRYING TIME*	12 hours (at temperatures between 20°C and 40°C) 24 hours (at temperatures between 10°C and 20°C)
CURING TIME*	24 hours
VOC (Volatile Organic Compounds) (Directive 1999/13/EC)	0 g/l

COVERAGE (5 litres)

**NATURAL STONE SURFACES,
GRANITE, MARBLE,
AGGLOMERATES, TERRACOTTA
AND ABSORBENT MATERIALS**

50-75 m²

Coverage is indicative and refers to a single coat

*Indicative time that varies depending on the environmental conditions and on the material

Packaging

5 litres: boxes of 4

Available on request:

100-litre drums

1,000-litre cubes



SAFETY TIPS

Keep out of reach of children. Do not disperse into the environment after use. The product is classified as dangerous under Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

For safety-related information, please refer to the safety information sheet available on the website **www.filasolutions.com** and carefully read the product's label.



download



FILA Industria Chimica S.p.A.

Via Garibaldi, 58 - 35018
S. Martino di Lupari (PD) - ITALY
t +39 049 9467300
e info@filasolutions.com

The recommended instructions and application procedures for our products are the result of accurate tests carried out in our laboratory. There are, however, certain factors that we cannot predict: the condition of the surface before the treatment, particularly rare or unspecified properties/finishes of the material, environmental conditions, and the professionalism of the user. This is why we recommend carrying out a preliminary test on the surface to be treated. FILA always guarantees the quality of its products, but it cannot assume any responsibility in the event of incorrect use.