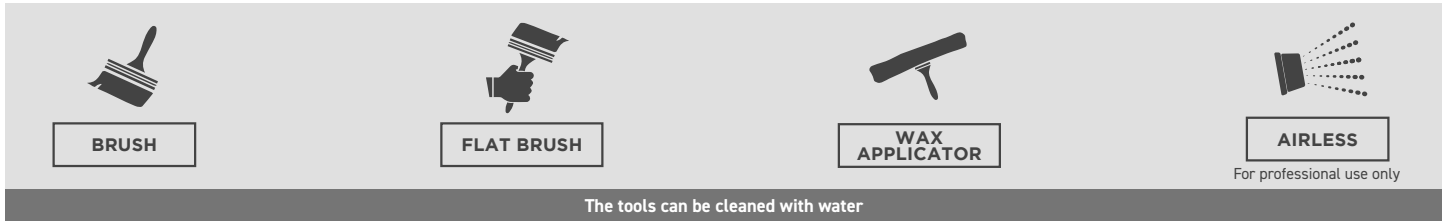




# PW10

# ECO-COMPATIBLE PRE-LAYING TREATMENT AGAINST EFFLORESCENCE

## TOOLS FOR APPLICATION



## 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).

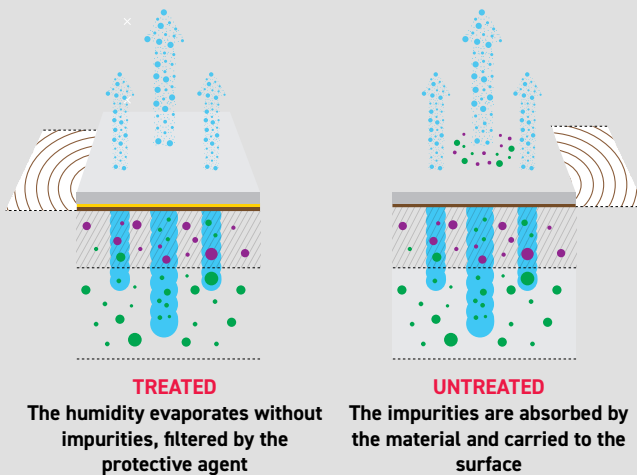
Hardens the surface. Breathable, UV-resistant and non-yellowing. A **VOC-free** product with a low environmental impact and **INDOOR AIR COMFORT GOLD** certificate. Manufactured by an **ISO 9001** and **ISO 14001**-certified company.



## 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 <sup>2</sup> ]	MINIMUM THEORETICAL VALUE > 1.0 N/mm <sup>2</sup>	
	UNTREATED	PW10
	1.9	2.0

# PW10

## ECO-COMPATIBLE PRE-LAYING TREATMENT AGAINST EFFLORESCENCE

**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

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

COVERAGE (5 litres)	
<b>NATURAL STONE SURFACES, GRANITE, MARBLE, AGGLOMERATES, TERRACOTTA AND ABSORBENT MATERIALS</b>	<b>50-75 m<sup>2</sup></b>
<i>Coverage is indicative and refers to a single coat</i>	

\*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](http://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](mailto: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.*