

# SALVATERRAZZA® ECO

## THE WATER-BASED BREATHABLE CONSOLIDATING ANTI-SEEPAGE AGENT



A water-based consolidating water-repellent anti-seepage protective agent. It protects crevices and cracks in floors and wall coverings up to 1 mm wide, solving issues relating to water seepage that cause further damage to the structure and to the underlying rooms.

### CHARACTERISTICS AND ADVANTAGES

- A water-repellent sealer, it protects small cracks in the material up to 1 mm wide
- Penetrates deeply
- Mineralises and consolidates the material
- Prevents water seepage which could cause structural damages to the surface
- Breathable and does not create a surface film
- A VOC-free product with a low environmental impact



\* 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/eng/company/the-fila-research-centre](http://www.filasolutions.com/eng/company/the-fila-research-centre)

### MATERIALS

PORCELAIN TILES, MARBLE AND STONE, AGGLOMERATES, CONCRETE, TUFF, TERRACOTTA, QUARRY TILES

### FIELDS OF APPLICATION

- On outdoor surfaces affected by water seepage and humidity problems, especially in terraces and balconies
- Ideal for preventing erosion on floors and wall coverings due to weathering and sea spray
- It protects new surfaces against natural ageing and prevents water seepage problems
- In heritage buildings, it is ideal for mineralising non-cohesive surfaces and reducing flaking and erosion
- Counters water seepage also in case of damaged grout lines
- Physically effective against mould, algae and lichen build-up

### INSTRUCTIONS

**No dilution required:** No dilution required.

#### APPLICATION:

Apply **SALVATERRAZZA® ECO** evenly on a dry and clean surface (for deep cleaning, use the **FASE ZERO** detergent), using a fleece pad or a different application method, taking care to thoroughly impregnate the gaps and fissures.

Before the product dries, remove any residues by dabbing the surface with a clean absorbent cloth, taking care not to leave any traces of the product.

When applying **SALVATERRAZZA® ECO** on very large surfaces, we suggest treating a few metres at a time to facilitate the removal of product residues.

**SALVATERRAZZA® ECO** has a HIGH-COVERAGE formula: applying abundant amounts will not improve its performances, especially on poorly absorbent surfaces.

To speed up the process, it is possible to treat the surface with a single-disc machine. The surface can be walked on after 4 hours.

The protection takes effect after 24 hours.

**Maintenance:** use a diluted solution of **CLEANER PRO**.

### FOR PROFESSIONAL USE ONLY:

spray the product (airless system) on vertical surfaces until they are saturated and use appropriate PPE, as specified in the safety data sheet.

### WARNINGS

Since there are so many different materials, before applying the product we recommend testing it on a small area of the surface to check for any colour changes.

Do not apply the product outdoors if rain is forecast during the following 24 hours.

Avoid applying the product during the hottest hours of the day.

Does not protect against acid aggression.

## TOOLS FOR APPLICATION



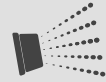
BRUSH



FLAT BRUSH



WAX  
APPLICATOR



AIRLESS

For professional use only

The tools can be cleaned with water.

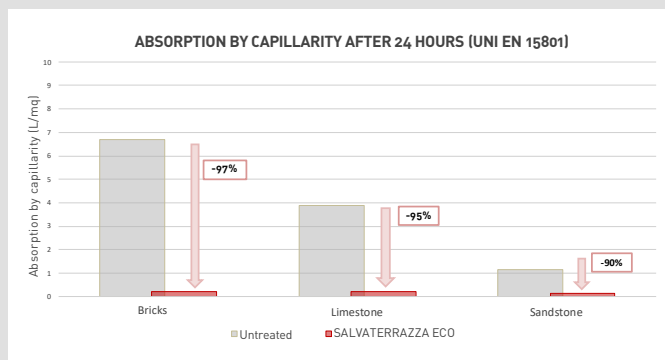
## TECHNICAL SPECIFICATION

A water-repellent and consolidating anti-seepage protective agent formulated with mineralising micro-crystals of functionalised silica and silicates (density: 1.065 kg/l) for porcelain tile, marble and stone, agglomerates, concrete, tuff, terracotta, quarry tiles. Penetrates deeply and is effective on small cracks between 0.5 µm and 1 mm wide, making them cohesive and water-repellent. For floor and wall applications, both indoors and outdoors.

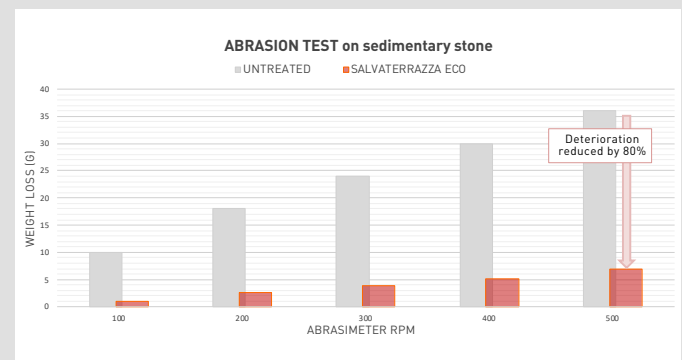


## TECHNICAL TESTS

**Water-repellent action** verified according to *UNI EN 15801:2010 - Determination of water absorption by capillarity*. **SALVATERRAZZA® ECO** reduces water absorption after 24 hours up to 97%.



**Consolidating action** verified through the *abrasion test*, by subjecting untreated and treated samples to wear by rubbing. The treatment with **SALVATERRAZZA® ECO** reduces deterioration by 80% (test conducted on natural stone).



**Consolidating action** verified through *UNI EN 14147:2003 - Determination of resistance to ageing by salt mist*. The treatment with **SALVATERRAZZA® ECO** counters erosion caused by the sodium chloride solution (100 g/l) atomised at 35°C for 50 cycles.

AFTER THE TEST: Optimal conditions for the protected material.

Evident deterioration for the untreated material.



SALVATERRAZZA® ECO

UNTREATED

**Water-repellent effect** by measuring the contact angle according to *UNI EN 15802 - Determination of static contact angle*. Conventionally, a surface is hydrophobic when  $\theta > 90^\circ$ . **SALVATERRAZZA® ECO** on an unpolished surface reaches angles greater than  $130^\circ$ .

**Breathability** verified according to *ASTM E96M - Water vapour permeability of materials*. The treatment with **SALVATERRAZZA® ECO** 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

**SALVATERRAZZA® ECO** is based on a silicon chemistry characterised by reactive molecules with multiple functional groups capable of penetrating into the substrate and building a network of solid branched bonds. This web exerts a lasting water-repellent action while also deeply consolidating the material. The pores are permeated, making the support breathable. Moreover, this technology ensures excellent resistance to UV radiation and natural ageing.



UNTREATED

TREATED WITH  
SALVATERRAZZA® ECO



## TECHNICAL FEATURES

<b>COMPOSITION</b>	Formulated with mineralising micro-crystals of functionalised silica and silicates
<b>APPEARANCE</b>	Transparent colourless liquid
<b>ODOUR</b>	Odourless
<b>DENSITY</b>	1.065 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>	4 hours
<b>CURING TIME*</b>	24 hours
<b>VOC (Volatile Organic Compounds) (Directive 1999/13/EC)</b>	0 g/l

COVERAGE (1 litre)	
<b>TERRACOTTA, STONE</b>	<b>10-20 m<sup>2</sup></b>
<b>QUARRY TILES</b>	<b>15 m<sup>2</sup></b>
<b>PORCELAIN TILES</b>	<b>30 m<sup>2</sup></b>

*Coverage shown is indicative and refers to single coats*

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

### Packaging

**1 litre:** boxes of 12.

**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.



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*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.*