

# W68

## STAIN PROTECTOR FOR UNPOLISHED SURFACES

A water-based water and oil repellent sealer highly suitable for treating unpolished and porous surfaces.

### CHARACTERISTICS AND ADVANTAGES

- Water-based water and oil repellent sealer
- Anti-graffiti action
- Breathable and does not create a surface film
- Natural finish: does not alter the surface's original appearance
- Low environmental impact
- Suitable for interior and exterior use



5 litres

1 litre



\* 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

UNPOLISHED STONE AND AGGLOMERATES, TERRACOTTA, QUARRY TILES, CONCRETE

### FIELDS OF APPLICATION

- Stain-proofing action that blocks the absorption of oily and watery substances on porous and absorbent surfaces such as sedimentary and calcareous stone, terracotta, concrete, etc.
- Treatment of porous indoor surfaces, where quick, inexpensive treatment is required
- Base for wax-based finishes when, in the case of indoor flooring, the stain-proofing action must be completed with a dirt-repellent to make maintenance easier
- Protection of porous materials located outdoors thanks to its breathability
- Anti-graffiti action for porous walls
- Suitable whenever surfaces must be protected within a short period of time or when solvent-based products cannot be used
- Treated surfaces are safe for food contact
- For jobs complying with CAM criteria, Air Comfort Gold certificate\*, free of solvents and VOCs 0 g/l

### INSTRUCTIONS

**No dilution required:** ready to use.

Indoor surfaces consisting of terracotta and natural stone and concrete:

On a clean and dry surfaces, apply one coat of **W68** evenly, using a brush or fleece pad, while soaking the joints well.

Wait 4 hours and then apply a coat of the specific finishing wax for the desired aesthetic effect (**MATT** for a natural effect, **LONGLIFE** for a polished finish, if available for sale).

With absorbent materials, apply a further coat of reinforcement wax one hour after the first coat of wax. For maintenance with satin effect, apply one coat of **SATIN**.

Outdoor surfaces consisting of terracotta, natural stone and concrete:

On a clean surface, apply 2 coats of **W68** evenly, using a brush or fleece pad, also soaking the joints well.

Remove any excess unabsorbed product by dabbing it with a micro-fibre cloth, before the product dries.

**Maintenance:**

diluted solution of **CLEANER PRO**.

### WARNINGS

Carry out a patch test on a small surface area to check for any changes in colour. Do not apply the product outdoors if rain is in forecast. Does not protect against acid aggression.

## TOOLS FOR APPLICATION



BRUSH



FLAT BRUSH



WAX APPLICATOR



MICROFIBRE CLOTH

The tools can be cleaned with water



## TECHNICAL SPECIFICATION

A stain-proofing and water-repellent protective agent with extremely low VOC emissions, consisting of organic resins suspended in water (pH: 4.6; density: 1.010 kg/l) for unpolished natural stone and agglomerates, concrete, terracotta and quarry tiles. **Air Comfort Gold certified.** Suitable for horizontal or vertical surfaces, both indoors and outdoors.



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## TECHNICAL TESTS

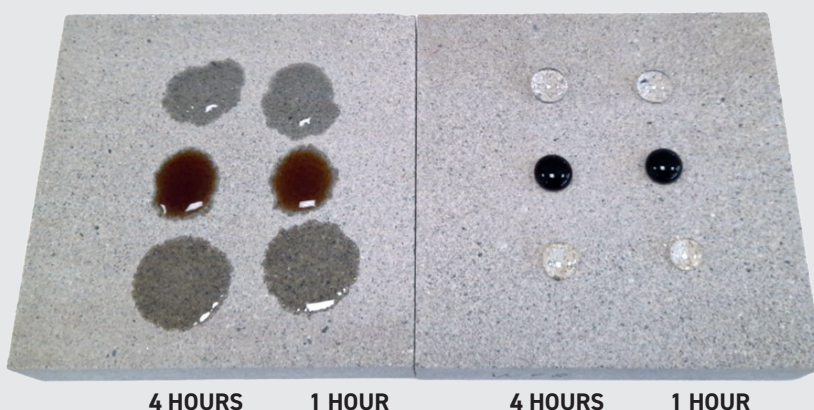
**Stain-proofing action:** verified according to UNI EN 16301 - Determination of sensitivity to accidental staining.

	UNTREATED				TREATED WITH W68			
	OIL		COFFEE		OIL		COFFEE	
	1 HOUR	4 HOURS	1 HOUR	4 HOURS	1 HOUR	4 HOURS	1 HOUR	4 HOURS
Natural stone	4	4	4	4	1	1	1	1
Terracotta	4	4	2	4	1	1	1	1
Concrete	4	4	3	4	1	2	1	2

The stain was removed using neutral detergent and a cloth

1 no change	2 slight change	3 moderate change	4 strong change

IN CONTACT WITH STAINING AGENTS



4 HOURS 1 HOUR

4 HOURS 1 HOUR

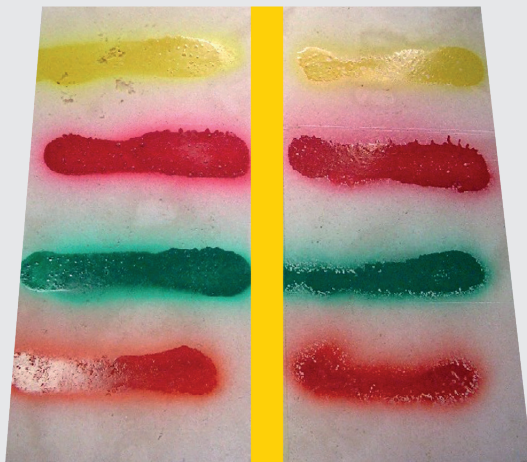
AFTER THE REMOVAL OF STAINING AGENTS



UNTREATED

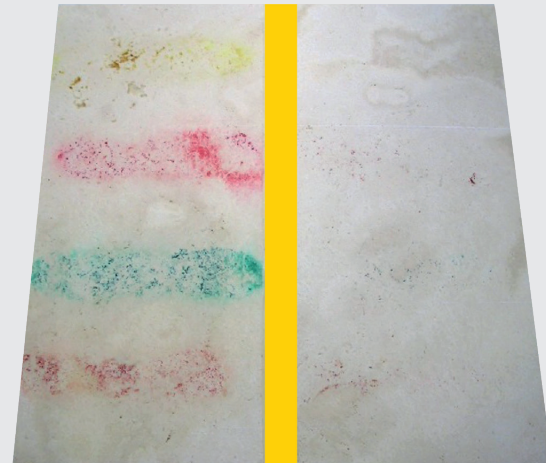
TREATED WITH W68

**Anti-graffiti action:** the treatment with **W68** ensures that spray paints used for acts of vandalism cannot penetrate the surface; this makes the paints easier to remove, facilitating maintenance and reducing the costs involved.



UNTREATED

W68



UNTREATED

W68

AFTER WASHING WITH NOPAINT STAR GEL CLEANER TO REMOVE GRAFFITI

**Water-repellent effect** by measuring the contact angle according to *UNI EN 15802 - Determination of static contact angle*. Conventionally, a surface is hydrophobic when  $\theta > 90^\circ$ . W68 on an unpolished surface reaches angles greater than  $130^\circ$ .

**Breathability verified** according to *ASTM E96M - Water vapour permeability of materials*. The treatment with **W68** maintains 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

**W68** is an oil-repellent product made up of a water suspension of organic resins. It is particularly suited to treating more absorbent materials, leaving them protected against water and oil stains. Once **W68** has been applied, it is not necessary to use a water repellent product since the treatment already performs this function, which allows for preventing water-related decay. **W68** does not alter the surface's appearance and keeps its breathability.

<b>COMPOSITION</b>	Formulated with organic resins dispersed in water
<b>APPEARANCE</b>	Transparent pale yellow liquid
<b>ODOUR</b>	Odourless
<b>DENSITY</b>	1.010 kg/l
<b>STORAGE TEMPERATURE</b>	From 5°C to 30°C
<b>APPLICATION TEMPERATURE</b>	From 10°C to 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 rustic Tuscan, polished</b>	<b>15-20 m<sup>2</sup></b>
<b>CONCRETE, TERRACOTTA handmade, Spanish, hollow tile, brick</b>	<b>7-10 m<sup>2</sup></b>
<b>STONE</b>	<b>10-20 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 6.

**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.*