

## The Ultimate Surface Protection



### PROTECTION FOR POROUS BUILDING MATERIALS AGAINST WATER, OIL, POLLUTION, CHEWING-GUM, AND GRAFFITI

#### PRODUCT DESCRIPTION

**ProtectGuard** is the ultimate total protection for every porous\* building material. **ProtectGuard** is both a **water-Repellent** and **oil Repellent** product that provides surfaces with adequate protection against **water, oil, dirt and graffiti**.

**ProtectGuard** protects from weathering and helps keeping treated surfaces cleaner by resisting attack and penetration of water, air-borne dirt, acid rain, smog, industrial pollutants, oil and greasy stains, graffiti\*\*, chewing-gum, dust and organic growth (lichen s & moss). A material treated with **ProtectGuard** becomes almost self-cleaning because rain removes most stains which **ProtectGuard** prevented from penetrating into or sticking to the substrate. **ProtectGuard** blocks efflorescence, and prevents spalling through repeated freeze/thaw cycles.

**ProtectGuard** can be applied on new and renovated buildings, repaired frontages, historic monuments, roofs, terraces, floors, stairs, tiles, joints...

*\* To determine if a material is porous (permeable to fluids), test with a drop of water. If it is not absorbed, the surface/material is not porous. Do not apply ProtectGuard on non-porous materials.*

*\*\* Preventative treatment with ProtectGuard will stop ink and paint pigments from penetrating the porous material. A wash at "medium pressure power wash" is generally sufficient for graffiti's early removal to be simple, quick and low cost.*

#### COMPOSITION

**ProtectGuard** is a fluorinated acrylic copolymer in water phase that forms a breathable barrier within the treated surface.

#### PRODUCT FEATURES & ADVANTAGES

**ProtectGuard** is:

- Efficient during more than 10 years\* as shown by a scientific report published by the CEBTP – Experimental Center of Research for Buildings Public Works (file n° 3182-7-663-2)
- Usable on vertical and horizontal surfaces of porous building materials; inside or outside
- Non-hazardous
- Non-toxic
- Non-flammable
- VOC-free
- 95% biodegradable
- High and lasting UV resistance
- Solvent-free

- Silicone-free
- Invisible when dry
- Ready to use
- Non-staining and non-yellowing
- Water & oil repellent
- Stain resistant
- Adhesion resistant
- Able to make a treated surface both air and condensation permeable
- Not a coating

#### PACKAGING

1, 5, 10 and 25 litres

#### TECHNICAL DATA

Appearance	:	Liquid
Color	:	Colorless
Odor	:	None
pH value	:	4.2
Boiling Point [°C]	:	100
Density	:	1.01
Flash point [°C]	:	Not applicable
Solubility in water [°C]	:	Totally miscible

#### APPLICATION

- Shake the drum well before use
- Can be applied on vertical and horizontal surfaces
- Do not apply to frozen or frost affected surfaces
- Apply to dry and clean substrates
- Apply with either low-pressure spray, roller or brush
- Apply the product when the temperature is between 40°F (5°C) and 95°F (35°C)
- It must not rain during application. If it rains within 24 hours after application, product must be reapplied
- The substrate must be impregnated until saturation in one application
- Remove the exceeding product before drying, half an hour after application
- Drying: 24 hours
- Maximum effectiveness obtained after 7 days

## COVERAGE

Indicative values \* for Coverage:

Type of materials	Average Coverage		
	1 Gallon in square feet	1 gallon in square meters	1 liter in square meters
<i>Saint-Vaast limestone</i>	24	2	1
<i>Tuffeau Limestone</i>	53	5	1
<i>MPC coating</i>	102	9	3
<i>Concrete coating</i>	134	12	3
<i>Architectural concretes**</i>	204	19	5
<i>Terra Cotta</i>	285	26	7
<i>Auto blocking paving stones</i>	326	30	8
<i>Cement flagstones</i>	530	49	13
<i>Baviere stones</i>	530	49	13
<i>Marble**</i>	530	49	13
<i>Sandstone**</i>	815	76	20
<i>Granite**</i>	1019	95	25

\*\* For this material, use ProtectGuard FT

\* The coverage rates above are approximate and for estimating purposes only. Coverage will vary depending on density, porosity, texture, surface absorption and application methods. Guard Industry are not accountable for any excess material used based on above estimated product coverage rates. For exact product consumption field testing should be performed on actual substrate surface to determine coverage rates and effectiveness of the product.

## CLEANING

- Clean application equipment and tools, immediately following use by using water

## STORAGE

- Keep drums clean during storage, transport, handling and their use, to avoid an excessive dust accumulation. Product to be handled following good industrial hygiene and safety procedures
- Keep in a dry and fresh place. Do not allow the product to freeze.

## RECOMMENDATIONS

- Do not dilute / do not mix with another product
- Do not apply on organic, metallic, or impermeable materials
- Do not apply in rainy or frosty weather

## SAFETY PRECAUTIONS

- **Inhalation:** Respiratory protection not required under normal conditions of use with adequate ventilation.
- **Skin Contact:** In normal conditions of use, gloves or skin protection are not required. Persons with sensitive or allergic skins may prefer to wear gloves and skin protection. In case of irritation, wash with soap and water. If irritation persists, seek medical attention.
- **Eye Contact:** If there is risk of major contact, wear protective goggles. In case of eye contact, flush immediately with copious amounts of water. Consult a doctor immediately if the pain, blinking, watering or blishes persist.

- **Swallowed:** In case of ingestion, do not induce vomiting. Contact a doctor or hospital.

## KEEP OUT OF REACH OF CHILDREN

## TECHNICAL ASSISTANCE

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## WARRANTY

LIMITED WARRANTY: Guard Industry warrant that, at the time and place shipment was made, the materials were of good quality and were conformed to our published specifications in force on the date of purchase.

DISCLAIMER: The information contained herein is included for illustrative purposes only and, to the best of our knowledge, is accurate and reliable. Guard Industry not under any circumstances liable to connection with the use of information. As Guard Industry have no control over the use to which others may put its products, it is recommended that the products be tested to determine the suitability for specific applications and/or our information is valid in a particular circumstances. Due to the differences of each substrate, several inconspicuous test patches should be completed to assure maximum performance. Responsibility remains with the architect or engineer, contractor and owner of the design, application and proper installation of each product. Specifier and user shall determine the suitability of the product for specific application and assume all responsibility in connection therewith.