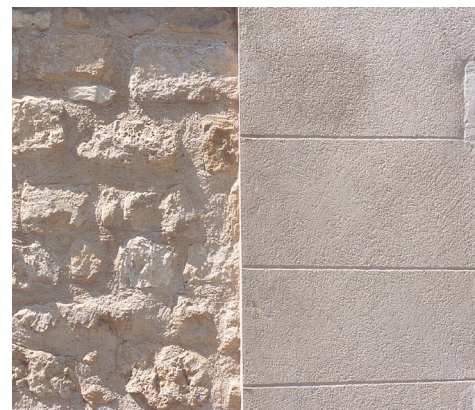


GUARD HARDENER® W

WATER REPELLENT



SURFACE HARDENER AND WATER-REPELLENT

- ✓ **CONSOLIDATES AND CRYSTALLISES MATERIALS**
- ✓ **ANTI-DUSTING ACTION**
- ✓ **HIGH PROTECTION AGAINST WATER AND FROST**

- ✓ **USE ON DAMP OR DRY SUBSTRATES**
- ✓ **WALLS, FACADES, ROOFINGS AND FLOORS**
- ✓ **INTERIOR AND EXTERIOR**

PRODUCT DESCRIPTION

Guard Hardener® W is a product for mineralising and treating efflorescence, saltpetre, friable materials damaged by intrusion of water, damp, frost...

Guard Hardener® W penetrates friable materials certainly to crystallise, harden and mineralise. Once treated, materials become more resistant to degradations. Guard Hardener® W can also be used as an anti-dusting treatment.

Guard Hardener® W also has excellent water-repellent properties that help to prevent main causes of degradation such as infiltrations, acid rains, erosion, freeze-thaw cycles, development of micro-organisms, saltpetre, efflorescences...

Guard Hardener® W is a non film-forming impregnation product. Substrates remain permeable to air and water vapour. It is completely colourless after application and does not change the appearance or the composition of the treated surface. It is also UV-resistant and does not discolor with age.

USE

Guard Hardener® W can be used indoors and outdoors on facades, walls, roofings, floors, screeds and on all porous materials: cement, plaster, concrete, natural stone, brick, rendering...

CHEMICAL NATURE

- Mixture of siliconate and silicate in an aqueous phase.

ADVANTAGES AND CHARACTERISTICS

- Hardens and consolidates porous friable materials.
- "Anti-dusting" action.
- Protects against water, humidity and frost and thus limits development of efflorescence, moss and lichens.
- Colourless.
- Non film-forming, lets a surface breathe.
- Non corrosive, non irritant and non flammable.

ENVIRONMENT

Environment-friendly product:

- Water-based product.
- Solvent-free.
- VOCs < 1 g/l*.
- Biodegradable > 90%* in 28 days.

CONTAINERS

5 and 25 litres.

TECHNICAL DATA

Physical state at 20 °C	: Liquid
Appearance	: Uncoloured
Odour	: None
pH	: 13 ± 0.5
Boiling point [°C]	: 100 °C
Density	: 1.02 ± 0.01
Solubility in water [vol/vol]	: Total
Flash point [°C]	: Not applicable

HOW TO USE

Surface preparation :

- Apply the product to a surface that is clean.
- A mechanical cleaning with a brush or chemical cleaning can be done.
- To remove stains and marks of pollution use **Guard Cleaner® Eco Polluted facades**. In case of greasy stains use **Guard Cleaner® Eco Soiled floors**. For efflorescence, laitance or concrete bloom use **Guard Remover® Eco Efflorescence & cement**.

Application :

- Apply product neat – do not dilute.
- Test first.
- Apply to the point of saturation of the substrate in 1 layer or in 2 layers «wet on wet» according to the porosity.
- Full efficiency achieved after drying 2 to 7 days.
- The treated substrate must not be covered by another coating.

APPLICATION TOOLS

- Apply using a low pressure sprayer, a brush or a roller.



COVERAGE

The following values are for guidance only:

3 to 6 m² / litre

CLEANING YOUR EQUIPMENT

- Clean tools and equipment immediately after use with water.

STORAGE

- Keep in a dry place (between 5°C and 30°C).
- Storage: 24 months following the production date when kept in the original unopened container.

RECOMMENDATIONS

- **Always carry out preliminary tests to check the penetration of the product and the final look of the substrate.**
- On certain materials, **Guard Hardener® W** can change slightly the colour.
- For ideal application and effective results, **Guard Hardener® W** must be used when the substrate temperature is between 5°C and 30°C.
- Do not apply in rain or very hot weather. Air temperature between 5°C and 30°C.
- Do not apply to wet, organic, metallic, impermeable or low-porous materials.
- Product is alkaline. Handle preferably with gloves and goggles. Protect painted surfaces, glass, tiles and light alloys (aluminium, chrome, copper, zinc, etc). Accidental splashes should be rinsed off immediately with water.

HEALTH AND SAFETY

- Respiratory protection : Under normal conditions of use where adequate ventilation is available, no special respiratory protection equipment is needed.
- Hand protection : Wear rubber gloves resistant to chemical products.
- Skin protection : No special protective clothing or skin protection is required under normal conditions of use.
- Eye protection : If there is a real risk of splashing, wear protective goggles.
- If swallowed : Do not induce vomiting. Contact a doctor or a specialist.

KEEP OUT OF THE REACH OF CHILDREN

TECHNICAL SUPPORT

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For the most recent version of our data sheet, visit our website www.guardindustry.com

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