

GUARD HARDENER® W



SURFACE HARDENER AND WATER-REPELLENT

- CONSOLIDATES THE SURFACE OF THE MATERIALS**
- ANTI-DUSTING ACTION**
- HIGH PROTECTION AGAINST WATER AND FROST**
- CAN BE USED ON DRY OR SLIGHTLY DAMP SURFACES**
- ODOURLESS & CLEAR**
- WALL INTERIOR AND EXTERIOR**

PRODUCT DESCRIPTION

Guard Hardener® W is a water-repellent mineralization product for new or existing porous materials.

Guard Hardener® W penetrates materials to fix and consolidate the surface. 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, floors, screeds and on all porous materials: cement, plaster, concrete, natural stone, brick, render...

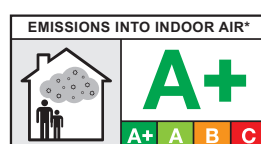
It is particularly recommended on new materials as a preventive measure.

CHEMICAL NATURE

Mixture of silicate and silicate in an aqueous phase.

ADVANTAGES AND CHARACTERISTICS

- Hardens and consolidates porous friable materials. "Anti-dusting" action.
- Protects against water, humidity, frost and thus limits development of efflorescence & moss.
- 10 year efficiency.
- Colourless.
- Non film-forming, lets a surface breathe.
- Water-based product, solvent-free.



TECHNICAL DATA

Physical state at 20 °C	: Liquid
Appearance	: Uncoloured
Odour	: None
pH	: >13
Boiling point [°C]	: 100 °C
Density	: 1.04 ± 0.02
Solubility in water [vol/vol]	: Total
Flash point [°C]	: Not applicable
COV	: < 1g/l*

CONTAINERS

5 litres cans.

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 Wash® Express**. In case of greasy stains use **Guard Cleaner® Degreaser**. For efflorescence, laitance or concrete bloom use **Guard Remover® Efflorescence & Cement**.
- Rinse carefully until the surface is completely free from any cleaner marks and let dry 24/48 hours before applying the treatment.

Application :

- Apply product neat – do not dilute.
- Shake the product well before use. Always carry out a preliminary test.
- Apply to the point of saturation of the substrate in 1 layer or in 2 layers «wet on wet» according to the porosity.
- Do not overcharge the substrate – remove all excess before it dries. Risk of white stains in case of excess.
- 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 waterlogged, 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 REACH OF CHILDREN

TECHNICAL SUPPORT

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Important: The content of this documentation is based on our experience with the product. Guard Industry guarantees the quality of its products but expressly disclaims all liability if the user does not follow the recommendations and conditions of use of the products, especially but not exclusively in the case of faulty application, application by untrained personnel, use of products not compatible with Guard Industry products, or adverse weather conditions. For more information, consult the safety data sheet.

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

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