

IMPERGUARD® CE



PROTECTION OF CONCRETES AGAINST WATER, HUMIDITY AND CHLORIDES. MEETS STANDARD EN 1504-2:2004

- ✓ PROTECTION AGAINST WATER
- ✓ PROTECTION AGAINST CHLORIDES AND CARBONATION
- ✓ NON FILM-FORMING, LETS THE SURFACE BREATHE

- ✓ 5 YEARS EFFICIENCY
- ✓ ODOURLESS AND INVISIBLE
- ✓ FACADES AND WALLS
- ✓ OUTDOORS

PRODUCT DESCRIPTION

ImperGuard® CE is an innovative leading product for the protection of concretes used in building construction. It is water-based product, petroleum solvent-free and CE marking product.

ImperGuard® CE durably protects concretes against water, chlorides and carbonation. It also helps tackle the deterioration caused by penetration of water, freeze-thaw cycles... Concrete treated will benefit from an increased life-span.

ImperGuard® CE is a non film-forming impregnation product that leaves the treated surface permeable to air and water vapour.

ImperGuard® CE is completely colourless after application and does not change the appearance of the treated surface. It is also UV-resistant and does not discolor with age.

ImperGuard® CE is a CE marking product, that meets standard EN 1504-2, allowing to provide protection treatments to concretes.

USE

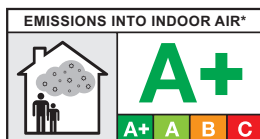
ImperGuard® CE may be used outside on facades and walls. It is used to protect all kind of concretes, for new and renovated constructions.

ADVANTAGES AND CHARACTERISTICS

- Protects against chlorides, carbonation and corrosion.
- Efficiency 5 years.
- Limits efflorescence formation, moss and lichen growth and deterioration resulting from freeze-thaw cycle.
- Non film-forming, lets the surface breathe.
- UV-resistant, does not discolour.
- Ready to use.

CHEMICAL NATURE

Water-based emulsion of silane.




CONTAINERS

25 litres cans.

TECHNICAL DATA

Physical state at 20 °C	: Liquid
Colour	: White
Odour	: Slight
pH	: 8 ± 0.02
Density	: 0.95 ± 0.02
Solubility in water [vol/vol]	: Total
Flash point [°C]	: 70 °C
VOCs	: < 1 g/l*

DECLARATION OF PERFORMANCE


GUARD INDUSTRIE: 7 rue Gutenberg - 93108 Montreuil Cedex - France 13
EN 1504-2 ImperGuard® CE Special Concrete Hydrophobizing Impregnation Storage conditions: + 3°C up to + 40°C; containers must be kept tightly sealed and protected from moisture; shelf life of closed containers 12 months
Penetration depth: Class I: < 10 mm
Water absorption and alkali stability: Absorption coefficient < 7,5 % compared to the non treated sample Absorption coefficient < 10 % after storage in alkali solution
Drying speed for hydrophobizing impregnation: Class I: > 30 %
Harmful substances: In accordance with 5.3

HOW TO USE

Surface preparation :

- The conditions of application and substrate preparation must comply with French unified code of practice DTU 59.1.
- Apply the product to a surface that is clean, dust-free, grease-free and dry.
- Clean using **Guard Cleaner® Surface Preparation** to open up the porosity of the concrete and allow optimum grip of the protection. This step also allows the elimination of traces of efflorescence, laitance or cement bloom. To renew in case of persistent traces.
- In case of greasy stains or formwork release oil residues, use **Guard Cleaner® Maintenance** first.
- Rinse carefully with a pressure washer until the surface is free from all traces of the cleaner.
- Wait for complete drying through, approximately 24 hours before treatment.

Application :

- Shake the product well before use.
- Always carry out a preliminary test.
- The treated surface should be impregnated to saturation point, either in two applications or in three applications 'wet-on-wet'.
- Do not over apply the product.
- The surface must be protected from rain for 24 hours.
- Optimum effectiveness obtained after 7 days.

APPLICATION TOOLS

Apply using a low pressure sprayer or airless gun.



COVERAGE

Coverage depends on the porosity of the material. The figures below should be used only as a general guideline:

200 to 400 g / m².

CLEANING YOUR EQUIPMENT

Clean tools and equipment with water immediately after use.

STORAGE

- Keep in a dry place (between 3°C and 40°C).
- Storage: 12 months following the production date when kept in the original unopened container.

RECOMMENDATIONS

- Only treat surfaces previously cleaned of all atmospheric pollution and stains.
- On fresh concrete or cement, wait at least 28 days before application.
- Do not apply to organic, metallic or waterproofing materials.
- For a perfect application and effective protection, ImperGuard® CE must be used on a support having a temperature between 10°C and 30°C, a humidity level less than or equal to 5% and a pH between 7 and 10.
- Do not apply in rainy weather, very hot weather or in full wind. Air temperature between 10°C and 30°C. Hygrometry rate: between 30% and 80% RH (relative humidity). Check for the absence of precipitation within 24 hours of the work.
- Always handle the product in a ventilated area.
- Provide protection for the surrounding supports and protection for the applicator.
- Do not dilute or mix with any other product.

HEALTH AND SAFETY

- Respiratory protection : Wear a protection mask when spraying the product (type: ABEK).
- Hand protection : Wear fluorinated or butyl rubber gloves.
- Skin protection : Wear appropriate protective clothing.
- Eye protection : Wear protective airtight goggles (ref. standard EN 166)
- If swallowed : Do not induce vomiting. Contact a doctor or a specialist.

PRODUCT FOR PROFESSIONAL USE ONLY

TECHNICAL SUPPORT

GUARD INDUSTRY

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For the most recent version of our data sheet, visit our website

www.guardindustry.com

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