



PROTECTION OF CONCRETE INFRASTRUCTURES



RANGE OF INNOVATIVE PRODUCTS COMPLYING
WITH STANDARD EN 1504-2





For 30 years, leader in the care of materials

Guard Industry develops innovative and eco-friendly products designed to clean, protect and embellish building materials.

Everyday, our company assists industrial players and building manufacturers to meet their specific needs.

A specific range of products for infrastructures

To meet the specific needs of infrastructures, Guard Industry has developed a range of products that perfectly fit the peculiarities of concrete and allowing to clean, protect and decorate it.

Our cleaning products are designed to bring soiled concrete back to its original level of cleanliness. They are essential for good surface preparation. They help finishing products penetrate and ensure homogeneous result.

Once the surface has been cleaned, the clear or coloured protection product can be applied.

In accordance with the principles of NF EN 1504 standards, our protection products ensure the durability of civil engineering structures.



« What is the common point between St. Peter's Basilica in Rome, Notre-Dame de Paris cathedral, the Petit Palais, Moscow university, Tian An Men square, Westminster streets, Qatar National Museum, the Marseillaise tower, Paris Orthodox Church, Puné temple, Hanoi airport and soon your building?

Look no further, Guard Industry's products have been used on all these projects. Contact us whether you want to know more about our solutions. Trust us and let us take care of your buildings.

Guard Industry is the aesthetic solution for construction materials, the finishing touch that makes the difference! ».

Barnabé Wayser, Guard Industry's CEO

Concrete infrastructures subject to external aggression

Over time, concrete structures must retain the functions for which they were designed (structural operation, safety, user comfort) while maintaining their aesthetics.

They must be able to withstand the various physical and mechanical stresses as well as natural aggressions.

Despite its intrinsic performance, concrete remains sensitive to external aggressions. **Rain, freeze-thaw cycles, de-icing salts, chlorides, corrosion, carbonation** are all problems that **weaken the structure of concrete**.

It is therefore essential to protect concrete structures to ensure that they stand the test of time.



Guard Industry has developed a complete range of products designed to protect concrete and its reinforcement against infiltration, freeze-thaw cycles, carbonation and aggressive environments.

In accordance with the principles of NF EN 1504 standards, our protection products ensure the durability of civil engineering structures (bridges, silos, tunnels, tanks, industrial structures, etc.)

Extending service life with surface protection

A range of innovative clear impregnation products

We use technologically advanced molecules, which give the best protection against water absorption and resistance to staining and abrasion.

A completely invisible protection

Our protection products are impregnation products. They penetrate into materials without forming a film. Invisible once dry, they do not modify a material's structure or its colour.

Protected materials remain permeable to air and water vapour

Our products do not modify the material's characteristics. The permeability loss of moisture for a treated material is less than 10% (result calculated in accordance with the 52615 standard)

Our range of products for concrete

	ProtectGuard CE	ImperGuard CE	ImperGuard SV	ImperGuard RF
Phase	Solvent-free	Water	Solvent	Solvent-free
Components	Silane + fluor	Silane	Silane + siloxane	Pure silane
Concentration	94% active ingredients	40% active ingredients	10% active ingredients	100% active ingredients
Properties	Deep protection against water Surface protection against stains Quick absorption	Deep protection against water	Surface protection against water Quick absorption	Deep protection against water Quick absorption
Penetration	> 10 mm	< 10 mm	< 10 mm	> 10 mm
Classification	EN 1504-2, class II	EN 1504-2, class I	-	EN 1504-2, class II
Environment	-	**	-	-
Durability	***	***	***	*****
Resistance to freeze-thaw cycles	*****	***	*	*****

Performances of our products have been tested by international testing centres to comply with standard 1504-2.

- **SIMCO Technologies inc:** Expert in materials engineering.
- **Lucideon :** Materials and products consultancy, testing and technology.
- **Kiwa :** Testing, Inspection and Certification services.

Tests carried out : water absorption, resistance to alkali, drying rate, penetration depth, loss of mass after freeze-thaw salt stress.

Efficiency of our products has been approved by international testing centres



GUARD CLEANER® ECO

SURFACE PREPARATION

Product code 1344

Surface preparation / increasing of porosity of concrete precast elements.

Guard Cleaner® Eco Surface Preparation is a new generation stripper used to prepare concrete precast elements before the application of a finishing product.

Guard Cleaner® Eco Surface Preparation is a cleaner which rapidly removes mortar or concrete laitance, limescale deposits and traces of efflorescence.

Guard Cleaner® Eco Surface Preparation helps finishing products to penetrate.

Guard Cleaner® Eco Surface Preparation is a new generation product, it is much less aggressive than other products on the market (it is not classified and labelled corrosive or irritant, which means that the risk of accidents during its use is greatly reduced).

Guard Cleaner® Eco Surface Preparation requires no neutralisation after rinsing with water.

ADVANTAGES

- POWERFUL CLEANER
- OPENS POROSITY
- HELPS PRODUCTS TO PENETRATE
- QUICK EFFICIENCY
- NON CORROSIVE - NON IRRITANT

Use:

- allows finishing products to penetrate

Ideal for cleaning :

- cement residues,
- efflorescence on floors and walls,
- limescale deposits, etc.

NOTE:

In case of metallic fibers, do not use Guard Cleaner® Eco Surface Preparation to clean the concrete but Guard Cleaner® Eco Maintenance.

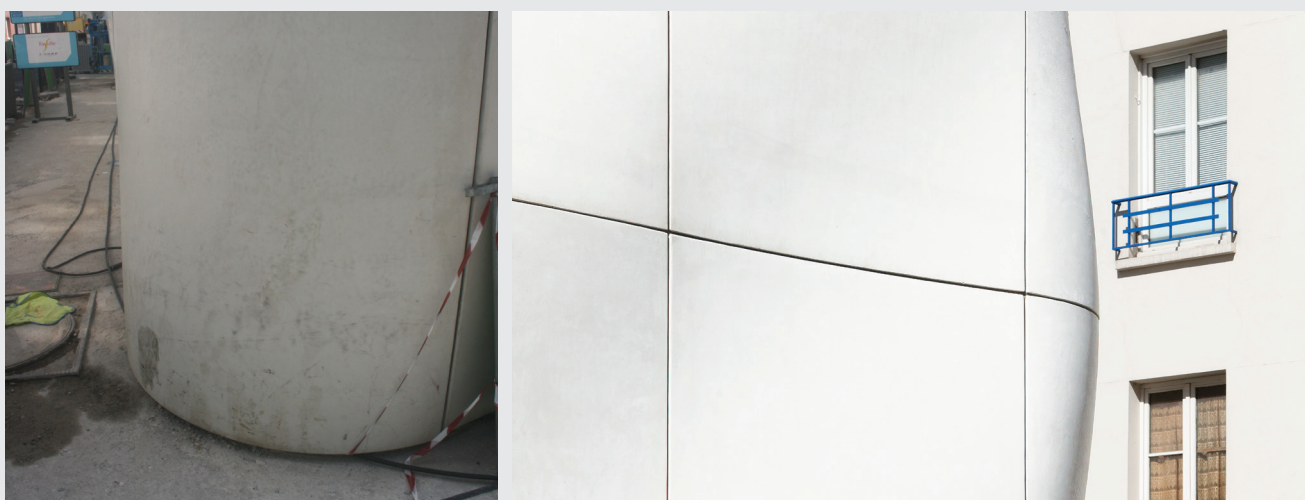
COVERAGE

3 to 6 m²
per litre

70%

BIODEGRADABLE





GUARD CLEANER® ECO

MAINTENANCE

Product code 1354

Degreasing and daily maintenance of concrete precast elements.

Guard Cleaner® Eco Maintenance is a highly concentrated cleaner for maintenance of concrete protected with a protection product.

Guard Cleaner® Eco Maintenance is a highly concentrated product designed for the cleaning and daily maintenance of concretes protected with a product from the ProtectGuard® or ProtectGuard® Color ranges.

Guard Cleaner® Eco Maintenance eliminates stains, grease, pollution marks without altering the protection product. Guard Cleaner® Eco Maintenance helps keeping the brand new appearance of the concrete.

Guard Cleaner® Eco Maintenance can also be used to eliminate grease and form oils. It can be used with Guard Cleaner® Eco Surface Preparation to achieve a perfect concrete preparation before application of a protection product.

In contrast to commonly-used corrosive or irritant products, Guard Cleaner® Eco Maintenance consists of easily biodegradable and effective molecules.

ADVANTAGES

- POWERFUL CLEANER
- QUICK ACTION
- ELIMINATES STAINS AND GREASE
- DOES NOT ALTER THE PROTECTION PRODUCT
- NON CORROSIVE - NON IRRITANT

Use:

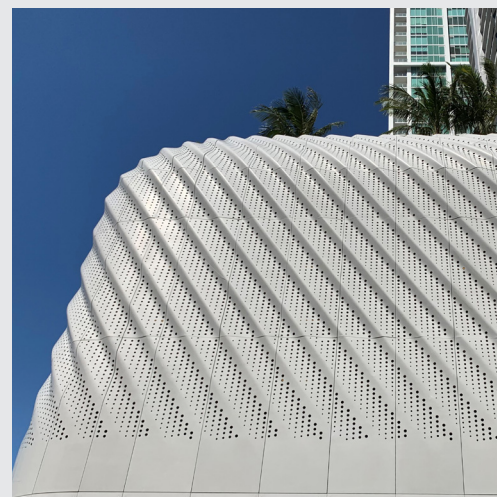
- Cleaning and daily maintenance of concretes protected with a protection product
- Can be used with Guard Cleaner® Eco Surface Preparation to achieve a perfect concrete preparation before application of a protection product.
- Use for cleaning concretes with metallic fibers.

COVERAGE

5 to 8 m²
per litre

60%
BIODEGRADABLE





PROTECTGUARD® CE
SPECIAL CONCRETE



Product code 2142

Water and oil repellent for concrete. Meets standard EN 1504-2.

ProtectGuard® CE Special Concrete has established itself as the benchmark product for water-repellent, oil-repellent and anti-stain protection for concrete.

ProtectGuard® CE Special Concrete durably protects concrete against water, efflorescences, mould, atmospheric pollution, grease-type staining, chlorides, corrosion and carbonation.

ProtectGuard® CE Special Concrete is a very high penetrating product (penetration > 10 mm) for deep protection of concrete.

Treated concrete will benefit from an increased life-span and will be easier to maintain.

ProtectGuard® CE Special Concrete is an impregnation product allowing the substrate to remain permeable to air and water vapour. It resists to UV and abrasion.

ProtectGuard® CE Special Concrete is a CE marking product, that meets standard EN 1504 part 2.

Ideal for the protection of :

- All types of concretes: standard, reinforced, fibre, high-performance (UHPC, GRC)

Application :

- Floors
- Facades
- Indoors
- Outdoors

CE marking product.



BEADING EFFECT
WATER + OIL



GUARANTEED
EFFICIENCY

10
YEARS

COVERAGE

6 to 10 m²
per litre

ADVANTAGES

- PROTECTS AGAINST WATER AND CHLORIDES
- ANTI-STAINING AND ANTI-SOILING
- VERY HIGH PENETRATING POWER (> 10MM)
- PREVENTS CORROSION OF REINFORCEMENTS
- HIGHLY ALKALI-RESISTANT
- LETS THE MATERIAL BREATHE
- UV AND FROST RESISTANT



IMPERGUARD® CE
SPECIAL CONCRETE



Product code 2080

Water-repellent for concrete. Meets standard EN 1504-2.

ImperGuard® CE Special Concrete is a high-performance water-repellent treatment for concrete.

ImperGuard® CE Special Concrete provides long-lasting protection for all concretes against water, chlorides, corrosion and carbonation.

It also prevents the main causes of deterioration like atmospheric pollution, grease stains, ingress, graffiti, etc. It slows down the ageing of the material and makes it easier to maintain.

ImperGuard® CE Special Concrete is a non-film forming impregnation product, the material is still permeable to air and water vapour. Completely colourless after application, it does not change the appearance or the nature of the treated material. It is also fully resistant to UV rays and does not yellow over time.

ImperGuard® CE Special Concrete is a CE marking product, that meets standard EN 1504 part 2.

ADVANTAGES

- PROTECTS AGAINST WATER AND CHLORIDES
- PREVENTS CORROSION OF REINFORCEMENTS
- HIGHLY ALKALI-RESISTANT
- LETS THE MATERIAL BREATHE
- UV AND FROST RESISTANT

Ideal for the protection of :

- All types of concretes: standard, reinforced, fibre, high-performance (UHPC, GRC)

Application :

- Facades
- Indoors
- Outdoors

CE marking product.



PROTECTION
WATER

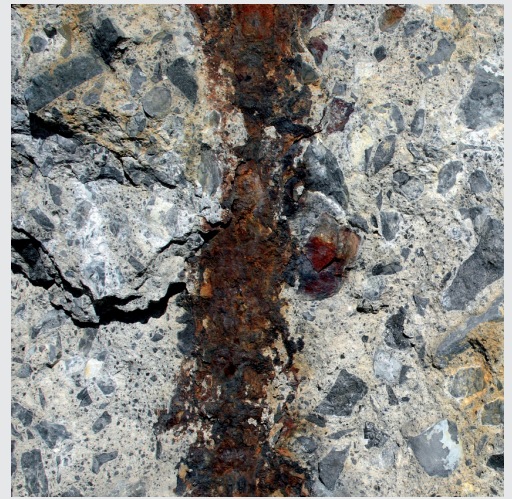


GUARANTEED
EFFICIENCY

5
YEARS

COVERAGE

4 to 5 m²
per litre



IMPERGUARD® RF

Product code 2050

Deep-down water protection for concrete. Meets standard EN 1504-2.

ImperGuard® RF is a colourless, solvent-free penetrating product for the deep-down protection of concrete against water, mould and chlorides. It limits efflorescences.

Applied before a clear or a coloured protection product, ImperGuard® RF increases protection against water in compliance with CE marking.

ImperGuard® RF is a very high penetrating product (penetration > 10 mm) for deep protection of concrete.

ImperGuard® RF is a non-film-forming product allowing the substrate to breathe.

ImperGuard® RF is a CE marking product, that meets standard EN 1504 part 2.

ADVANTAGES

- PROTECTS AGAINST WATER AND CHLORIDES
- VERY HIGH PENETRATING POWER (> 10MM)
- PREVENTS CORROSION OF REINFORCEMENTS
- HIGHLY ALKALI-RESISTANT
- LETS THE MATERIAL BREATHE
- UV AND FROST RESISTANT

Ideal for the protection of :

- All types of concretes: standard, reinforced, fibre, high-performance (UHPC, GRC)

Application :

- Facades
- Indoors
- Outdoors

CE marking product.



PROTECTION
WATER



GUARANTEED
EFFICIENCY

15
YEARS

COVERAGE

5 to 7 m²
per litre



IMPERGUARD® SV

Product code 2030

Solvent-based water repellent for concrete.

ImperGuard® SV is a highly efficient solvent-based product designed to protect concretes against water penetration.

ImperGuard® SV significantly reduces capillary absorption of water. This outstanding performance deeply protects porous and low porous concretes against penetration by precipitation.

ImperGuard® SV thus eliminates negative effects caused by humidity : erosion, degradation due to continuous 'freezethaw' cycles, efflorescence, saltpeter; development of micro-organisms, etc.

ImperGuard® SV is a non-film forming impregnation product, the material is still permeable to air and water vapour. Completely colourless after application, it does not change the appearance or the nature of the treated material. It is also fully resistant to UV rays and does not yellow over time.

ADVANTAGES

- PROTECTS AGAINST WATER AND CHLORIDES
- HIGH PENETRATING POWER
- LIMITS CORROSION OF REINFORCEMENTS
- ALKALI-RESISTANT
- LETS THE MATERIAL BREATHE
- UV AND FROST RESISTANT

Ideal for the protection of :

- All types of concretes: standard, reinforced, fibre, high-performance (UHPC, GRC)

Application :

- Facades
- Indoors
- Outdoors

BEADING EFFECT
WATER

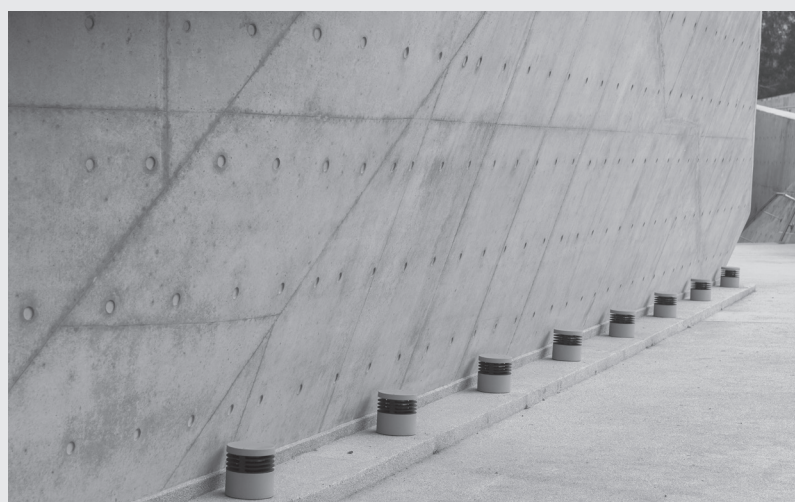


GUARANTEED
EFFICIENCY

5
YEARS

COVERAGE

4 to 5 m²
per litre



SUPERANTI GRAFFITI GUARD®

MULTI-SURFACE

Product code 2220

Permanent anti-graffiti protection that allows cleaning of graffiti with water.

Permanent anti-graffiti protection

Super AntiGraffiti Guard® gives permanent protection against all kinds of graffiti and inks: paints, felt-tips, markers... It can resist several dozen cleans and therefore does not need to be reapplied after graffiti is removed.

Remove graffiti with water only

Super AntiGraffiti Guard® benefits from the AquaNet System® technology: Graffiti is cleaned using nothing but high-pressure clear water without addition of chemical cleaning products. For recent graffiti, using a simple cloth soaked in water may suffice.

ADVANTAGES

- PERMANENT PROTECTION AGAINST GRAFFITIS
- PROTECTION AGAINST WATER AND STAINS
- FLAT OR SEMI-GLOSS FINISH
- CLEANING WITH WATER ONLY: NO CHEMICAL PRODUCT NEEDED
- ABRASION-RESISTANT

NOTE

According to the desired finish and the material, several primers are available. Please consult us for further information.

Ideal for the protection of :

- All types of concretes: standard, reinforced, fibre, high-performance (UHPC, GRC)

Application :

- Facades
- Indoors
- Outdoors

PROTECTION WATER + OIL



ANTI-GRAFFITI

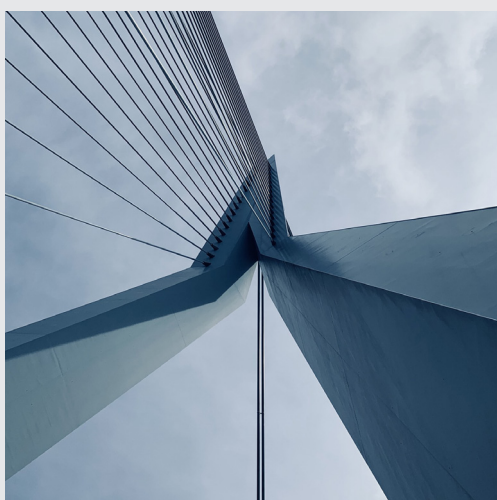


COVERAGE

4 to 7 m²
per litre

WATER CLEANING, NO CHEMICAL NEEDED





Product code 9850

Coloured stain : embellishes and protects concrete against water and stains.

ProtectGuard® Color is a two-in-one product designed to colour and protect concrete.

ProtectGuard® Color is a semi transparent impregnation product, which colours whilst at the same time retaining the mineral look of the concrete.

ProtectGuard® Color allows to personalise both the colour and the finish of the colour. The extremely wide range of choices makes it possible to obtain a unique and infinitely customisable finish.

ProtectGuard® Color protects concrete against water and limits deterioration resulting from humidity (efflorescence, moss, rust...).

ProtectGuard® Color also protects against greasy stains and pollution. The cleanliness of treated substrates is thus assured.

ADVANTAGES

- WATER REPELLENT & ANTI-STAINING
- COLOURED IMPREGNATION STAIN
- OPACITY FROM 10% TO 100%
- HIGH UV RESISTANCE
- EXISTS IN FLAT / GLOSSY

Ideal for the protection of :

- All types of concretes: standard, reinforced, fibre, high-performance (UHPC, GRC)

Application :

- Facades
- Indoors
- Outdoors



Available in :

- 42 standard shades
- 32 «high jewellery» shades
- Custom-made shades possible

BEADING EFFECT
WATER + OIL



GUARANTEED
EFFICIENCY

10
YEARS

COVERAGE

6 to 8 m²
per litre

80%
BIODEGRADABLE





PROTECT GUARD®

C O L O R

ANTI GRAFFITI

Product code 9107

Coloured stain : embellishes and protects concrete against water, stains & graffiti.

ProtectGuard® Color AntiGraffiti is a two-in-one product designed to colour and protect concrete.

ProtectGuard® Color AntiGraffiti is a semi transparent product, which colours whilst at the same time retaining the mineral look of the concrete.

ProtectGuard® Color AntiGraffiti allows to personalise both the colour and the finish of the colour. The extremely wide range of choices makes it possible to obtain a unique and infinitely customisable finish.

ProtectGuard® Color AntiGraffiti protects concrete against water and limits deterioration resulting from humidity (efflorescence, moss, rust...). It also protects against greasy stains, pollution and offers **antigraffiti** protection that resists about 15 cleanings.

ADVANTAGES

- WATER REPELLENT & ANTI-STAINING
- ANTI-GRAFFITI PROTECTION
- COLOURED IMPREGNATION STAIN
- OPACITY FROM 10% TO 100%
- HIGH UV RESISTANCE
- EXISTS IN SATINATE / GLOSSY

NOTE

Before any application of ProtectGuard® Color AntiGraffiti, **always** apply **Primer Guard®** or **Primer Guard® Color**, especially developed for promoting adhesion of two-components products on concrete.

Ideal for the protection of :

- All types of concretes: standard, reinforced, fibre, high-performance (UHPC, GRC)

Application :

- Facades
- Indoors
- Outdoors



Available in :

- 42 standard shades
- 32 «high jewellery» shades
- Custom-made shades possible

BEADING EFFECT
WATER + OIL



ANTI-GRAFFITI



GUARANTEED
EFFICIENCY

5
YEARS

COVERAGE

6 to 10 m²
per litre

80%
BIODEGRADABLE





GUARD INDUSTRY

7, rue Gutenberg - 93108 Montreuil Cedex – France

Tél: +33 (0)1 55 86 17 60 – Fax: +33 (0)1 48 58 16 89

E-mail: contact@guardindustry.com

