



PROPERTIES:

Controll® SP penetrates effectively and adheres to pores, microcracks and capillaries, forming a hydrophobic barrier against water- and oil-based substances.

The use of 100% pure silane as the active ingredient achieves a capillary-blocking and diffusion-open impregnation with high chemical stability and long life in alkaline environments.

Controll® SP also has a very good self-cleaning effect and makes maintenance both easier and cost-saving.

DIFFUSION OPEN:

Water in the form of vapour can escape, but liquid water cannot enter.

VOC/SOLVENTS:

Water-based, does not contain solvents or substances that are hazardous to health.

ENVIRONMENT:

Controll SP does not harm plants, trees or grass and is biodegradable. The product is not subject to labelling requirements.

FREEZING POINT:

0°C

FIRE HAZARD:

Not flammable

PACKING:

20 liter/ 1000 liter

APPEARANCE:

Milky when liquid, transparent when dry.



Controll SP

Heavy Duty Stain Protection

Product Description

Controll® SP is a 100% silane-based, diffusion-open and deep-penetrating impregnating agent developed to provide a long-lasting water-repellent (hydrophobic) effect on mineral substrates such as concrete, brick, render/plaster and masonry.

The product penetrates into the substrate and enters the pore structure, capillaries and microcracks, forming an invisible water-repellent barrier. This reduces capillary water uptake, dirt penetration and the risk of mould/biological growth, while maintaining the substrate's vapour permeability. Controll® SP does not form a film or coating and therefore does not cause peeling, flaking or delamination.

The treatment is particularly suitable for climate-exposed and externally exposed concrete and masonry structures where protection is required without a visible surface coating. The surface will normally retain its natural appearance; however, in some cases a slightly darker tone with a matte finish may occur after treatment. It is always recommended to perform a test on a smaller, representative area to verify the desired visual result before full application.

Areas of Use

- Exposed concrete (cast-in-place and precast)
- Facades in brick, render/plaster and concrete
- Architectural concrete and decorative mineral surfaces
- Floors in polished concrete and cement-based self-levelling screeds
- Surfaces exposed to dirt loading and moisture-related staining

Function and Performance (Technical Effect)

- Reduced capillary water uptake and rainwater absorption
- Increased resistance to dirt penetration and staining
- Reduced risk of moisture-related discolouration and efflorescence
- Reduced biological growth (algae/mould) due to a drier surface
- Without film formation (no peeling/flaking)

Controll® SP is particularly suitable for environments where long service life, reduced maintenance and preservation of the surface's visual appearance are required.

System Recommendation

For floors subject to high mechanical wear, a primer treatment with Controll® Innerseal is recommended prior to application of Controll® SP. This may provide increased internal strengthening, improved wear resistance, and extended service life of the surface.

Typical Benefits

- Long-lasting water-repellent effect, easier cleaning
- Vapour-permeable protection
- Helps counteract frost damage, carbonation and efflorescence



ODOUR:
Slightly soapy

pH: 8

VOC CONTENT:
0 g/l

DENSITY:
1.0 g/cm³

CLEANING:
Tools: Water
Skin: Soap and water

SHELF LIFE:
24 months unopened.
Frost free and dark storage.

HEALTH & SAFETY:
Prepare well-ventilated areas.
Protect the respiratory tract from spray mist, which may cause irritation.
There are no known harmful effects. However, we recommend the use of gloves and safety goggles during application. Read and understand the safety data sheet before starting work.



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www.innerseal.eu



Controll SP

Heavy Duty Stain Protection

- Strong reduction in algae and fungal growth
- Contributes to increased service life of concrete and masonry
- VOC-free formulation and environmentally friendly composition
- UV-resistant and suitable for exterior use

Surface Preparation

The substrate must be dry, clean and free from moss, algae, dust, grease, salts and other contaminants. Any existing coatings or treatments that may prevent penetration must be removed. If possible, avoid rainfall during the first 2 hours after the surface is touch-dry.

During application, the air temperature must be minimum +5°C. Do not apply if the temperature is expected to fall below +5°C within the following 24 hours.

Application

Controll® SP is supplied ready to use and must not be diluted. Apply using a low-pressure sprayer (alternatively a paint sprayer at low pressure) until the surface is evenly saturated. For small or confined areas, use a sponge roller or a generously loaded brush. Controll® SP is normally applied in one coat. Apply sufficient material to keep the surface uniformly wet for at least 5 minutes. Apply in one continuous operation to avoid visible lap marks or joints. For wall applications, it is recommended to start at the bottom and work upwards to minimise streaking and run marks. In case of spills on glass or other glossy surfaces, rinse immediately with water.

Coverage / Consumption

Coverage depends on the absorbency and structure of the substrate. Typical examples:

Untreated, absorbent concrete: 2–8 m²/litre
Concrete previously treated with Controll Betongtett impregnation: 10–20 m²/litre

Drying Time

Touch dry: 1–2 hours

Good water-repellent performance: after approx. 24 hours

Full effect and curing: 7 days

Cleaning

Clean tools and equipment immediately with water. Spills, splashes and runs should be removed continuously using water before the material dries.

FROM THE DECLARATION OF PERFORMANCE:

EN 1504-2:2004 Surface Protection Products,
Hydrophobic Impregnation Ingress protection
(1.1) Stain- and discoloration protection
Depth of penetration: Class I ≤ 10 mm
Drying rate coefficient: Class I >30%
Reaction to fire Euroclass A1 (Incombustible)
Dangerous substances comply with 5.3:
No special precautions required



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