



ENVIRONMENT CERTIFICATE / ASSESSMENTS:

Recommended by the Scandinavian Byggvarubeömningen (Green Building Material Assessment) and SundaHus.

German ECO Institute: Free from VOC, carcinogens, mutagens and substances hazardous to reproduction.

EN ISO 12873-2: 2005

For use in direct contact with potable water up to 70° C.

(Influence of materials on water in-tended for human consumption, influ-ence of migration.)

PRODUCT DATA:

COVERAGE:

0.2-0.4 l/m² depending on the absorptive capacity of the substrate.

APPEARANCE:

Slightly cloudy liquid

pH:

11.3

VOC CONTENT:

0 g/l

DENSITY:

1.2 g/cm³



Innerseal Plus⁽⁺⁾

High Performance Concrete Protection

DESCRIPTION:

Controll@Innerseal Plus (+) is a water-based lithium silicate. It is a colourless, non-toxic and permanent sealer designed to seal and cure concrete surfaces where exceptionally high performance/abrasion resistance is required.

The sealer can be used alone but in especially challenging projects like car parks, warehouses, farm buildings, waste management areas etc., we recommend treating with Control@Innerseal beforehand.

TYPICAL APPLICATIONS:

GENERAL USE:

- Car parks
- Entrances
- Industrial areas
- Cargo terminals
- Factory floors
- Machinery rooms
- Exhibition halls
- Warehouses

*HEAVY DUTY AREAS:

- Agriculture
- Fisheries
- Biogas silos
- Freezers
- Wastewater plants
- Abattoirs
- Refuse facilities
- Harbour areas

PRODUCT HIGHLIGHTS:

Controll@Innerseal Plus (+) penetrates deep into the concrete. One treatment increases the durability (abrasion resistance) of new concrete by more than 35% as well as reinforcing weathered concrete and cement-based self-levelling floor screed.

As the product assimilates with the concrete itself it has a much longer lifespan than traditional synthetic surface systems. The sealer does not dissolve or flake but combines with the concrete to create a hard protective shell against water and chemicals.

Controll@Innerseal Plus (+) is environmentally friendly and contains no solvents (VOC). The final result provides an inexpensive surface that is easy to clean and maintain.

PREPARATIONS:

The surface to be treated must be cleaned, free of dust, paint, grease or any other coating that may obstruct the substrate's absorption. Damage and visible cracks (>1.0mm) must be repaired prior to treatment. Protect glass, aluminium and other polished or painted surfaces to prevent etching. The temperature during application and for the following 24 hours must be between 5°C and 40°C.



FREEZING POINT:

0° C

FIRE:

Non-flammable

PACKAGING:

20 litre/ 1000 litre

STORAGE/SHELF-LIFE:

Cool, dark / > 36 months

CLEANING:

Tools: Water

Skin: Soap and water

DRYING TIME:

Ready for foot traffic after approximately 2 hours, heavier traffic after 24 hours. Full resistance to aggressive liquids is attained after 36 days.

HEALTH & SAFETY:

Prepare well-ventilated areas. Protect airways against the spray mist, which can cause irritation. There are no known harmful effects. However, we recommend wearing gloves and goggles during application. Read carefully the safety data sheet prior to starting work.



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DIRECTIONS FOR USE:

The product is ready for use and must not be mixed with other liquids or diluted.

For treatment of horizontal concrete surfaces, we recommend Controll@Innerseal Plus (+) is poured out and spread with a floor squeegee, brush or mop. Remove excess product by using a floor squeegee/mop. In case of spills, flush immediately with water.

DRYING TIME: Ready for foot traffic after approximately 2 hours, heavier traffic after 24 hours. Full resistance to aggressive liquids is attained after 36 days.

Manufacturer:

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DoP no.: CI 003

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EXTRACT FROM DECLARATION OF PERFORMANCE:

Depth of penetration	Class II >10 mm
Abrasion resistance	> 30 %
Permeability	W < 0.1 kg/m ²
Impact resistance	Class III: >20 Nm
Adhesion strength (pull off)	3.0 N/mm ²
Reaction to fire	Euro class 1 (fireproof)
Dangerous subst. comply with	5.4 / No requirements

