



## Concrete Protect 100+ and CP 100+ Additive

### Nanoprotect-CP 100+

is a new construction material based upon the innovative Nanoprotect-Silicate Technology. Nanoprotect-CP 100+ hardens mineral surfaces and protects the surface, achieving a very high resistance against chemical attacks and any abrasive influences. The treated surfaces become waterproof, but at the same time remain breathable. Nanoprotect-CP 100+ penetrates into the surface 2 – 3 mm, reacts with the cement components and forms a hard silicate structure. Nanoprotect-CP 100+ is odour-free, solvent-free and easy to apply. The fully-dried coating is durable (10 – 15 years) and can not be removed. For indoor and outdoor use.

It is suitable for all types of absorbent mineralic surfaces as concrete, cement, paving-stone, screed and cement based construction materials. Best properties on cementous products with high calcium content.

### Properties:

- One-Component aqueous solution
- Diffusion open water sealing
- Prevents blooming, weathering as well as infestation of algae
- Damaging agents do not find their way into concrete
- Optically neutral
- Non-yellowing
- Hydrophobic repellent effect
- Protection against frost damage, snow and ice attachment (resistant against common de-icing products)
- Extremely resistant against abrasion
- Temperature resistant from -30°C to +700°C
- Increases pressure and flexural strength of cementitious construction material
- Environmentally friendly, inorganic composition
- Optimal penetration because of low viscosity

### Practical use:

- The sealing of old and new concrete floors against the invasion of aggressive fluids as salt water, sewage water, acid sulfur etc.
- Protection of concrete walls in tunnel construction
- Protection against surface peeling caused by alternating freezing and unfreezing
- Suitable for parking spaces, access roads, roof terraces, flat roofs etc.
- Protection of concrete floors in vivariums against infiltration of bacteria, mould and fungus
- Crack bridging against water diffusion
- Solidification of porous undergrounds
- Base coat for paint coats as protection against peeling of paint
- Sealing of concrete joints in sanitary and industrial areas
- Repair and protection of drinking-water pipes and cisterns
- Sealing of outer walls of cellar rooms and walls
- For all areas with high chemical or mechanical influence

