

MANUFACTURER

Betongtett A/S, Kleppsto, Norway

INTERNATIONAL SALES, TRAINING AND SUPPORT

Scanmaskin Sverige AB

Phone +46 31 99 49 70 • info@scanmaskin.com • www.scanmaskin.com



Concrete surface protection and reinforcing

PRODUCT DESCRIPTION

World Series Close reinforces concrete surfaces against heavy wear and tear as well as providing protection against chlorides and aggressive liquids. The protection is open to diffusion, long-lasting and acid resistant.

World Series Close is a surface reinforcement and protecting treatment for vulnerable concrete areas such as industrial floors and in multi-storey car parks. World Series Close is also used to harden surfaces and for binding dust during grinding and polishing of concrete floors. The result is a very impact and scratch resistant surface.

World Series Close penetrates deep into the capillaries, microcracks and pores. A reaction then takes place between salts and minerals to form a very hard calcium silicate hydride. This results in a crystalline structure that stops the transport of water but lets vapours pass through (diffusion). Because the protection is deeply seated, it is insensitive to external influences such as abrasion and impacts.

One treatment increases the durability (abrasion resistance) of new concrete by more than 35% as well as reinforcing older weathering concrete and cement-based self-leveling floor screed. The treated surface becomes slightly water repellent (hydrophobic) and this is a final treatment. If there is excess damp in the substrate, a deep waterproofing pre-treatment should be done.

AREAS OF USE

World Series Close is delivered ready to use and must not be mixed with other liquids or diluted. Damage and visible cracks (>0.5 mm) must be repaired prior to treatment. Protect glass, aluminium and other polished or painted surfaces to prevent etching.

- Concrete in harsh environments
- Roads, bridges, tunnels
- Car parks and garages
- Water & sewerage systems
- Industrial and warehouse floors
- Vehicle washing stations and workshops
- Freezer rooms
- Agriculture, biogas silos
- Sawmills, paper mills
- Recycling and waste facilities
- Balconies, stairs

BENEFITS:

- Environmentally friendly
- Open for diffusion
- Acid resistant
- One-off treatment
- Increases the useful life
- Reduces the need for maintenance
- Binds dust
- Easier to keep clean



The product assessed in Swedish Bygghälsöversikt. Read more bygghalsoversikt.se

1504-2:2004 SYSTEM 2+



APPLICATION

World Series Close is delivered ready to use and must not be mixed with other liquids or diluted. Shake the container before use. The surface to be treated must be free of dust, paint, grease or any other coating that may obstruct the substrate's absorption.

Damage and visible cracks (>0.5 mm) must be repaired prior to treatment. Protect glass, aluminium and other polished or painted surfaces to prevent etching. In the case of splashes, flush immediately with water and, where necessary, clean with acid; e.g. Controll® ConClean.

The temperature during application and for the following 24 hours must be $\geq +5^{\circ}\text{C}$. Avoid application in direct sunlight. On horizontal concrete surfaces, World Series Close can be poured out and kept in motion with a rubber squeegee, brush or polish mop. Prevent dry patches from forming during treatment. Full saturation is attained after approx. 20-30 min. Stop when the World Series Close starts to "gel", which usually occurs sooner on new concrete. Remove excess, otherwise shiny or white patches may form.

PRODUCT DATA

Appearance: Slightly cloudy liquid

Active ingredients: Colloidal and potassium silicate

pH: 11,3

VOC content: 0 g/lit

Density: 1,2 g/cm³

Freezing point: 0°C

Fire: Non-flammable

Packaging: 20 l/ 1 000 l

Storage/shelf-life: Cool, dark / >36 months

DRYING TIME

Ready for foot traffic after approx. 3 hr. Can be exposed to water after 6 hr and heavier traffic after 24 hr. Full resistance to aggressive liquids is attained after 36 days.

COVERAGE

0.15-0.3 l/m² depending on the absorptive capacity of the substrate and the penetration depth required. Perform a test to estimate the coverage.

CLEANING

Tools: water of acidic solution.

Skin: soap and water.

MAINTENANCE

Do not use cleaners with pH < 7.

For floors, soap for concrete containing silicates is recommended.

HEALTH & SAFETY

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

ENVIRONMENTAL CERTIFICATES

Environmentally assessed and approved by Swedish Byggarubedömningen.se

