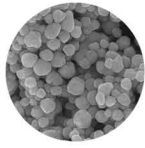




SPECIFICATIONS

Nano-Star's NSC Nano Waterproofer is a water-based liquid spray-on waterproofing treatment providing industrial grade and powerful waterproofing for porous substrates - cement/masonry/stones.



NSC uses advanced nanotechnology compositions to achieve superb waterproofing performance for surfaces without any change to surface appearance or texture. It increases substrates' lifetime. Surfaces coated with NSC become waterproof and powerfully repels water to ensure your surface remains dry and free from moisture damage.

NSC nanoparticles penetrate the pores of your substrates to create a water-repellent barrier. Unlike traditional sealers, it is not a membrane. It also does not flood the pores. As such, NSC treated surfaces remain breathable. NSC waterproofing properties easily outperforms traditional / existing waterproofing systems in the market today. Nano-Star nanoparticles are UV resistant and do not yellow.

USES

- Concrete Flooring
- Masonry
- Stones
- Cement Batch Mixing
- Toilet Tiles
- Walls / Upturns
- Painted Surfaces

PHYSICAL PROPERTIES

Milky white water emulsion with slight odor
Green Label certified and non-hazardous
Safe to use with skin contact

- Coverage Rate : 10-15 sqm / litre (Porosity and Weather dependant)
 - Storage : Store in cool, dry place
 - Shelf Life : 3 Years when properly stored
 - pH : 7.1
 - VOC Content : 0.7 g/L (well below limit)
 - BP / Flash Pt. : > 100 degrees celcius
 - Density : 1.01 g/cm³
 - Viscosity : 20 mPa.s
- NSC is not considered an oxidant.

SAFETY AND PRECAUTIONS

Completely environment and human friendly.

INTERNATIONAL STANDARDS TESTING

ASTM E514 - Pressure Driven Water Resistance: 5 NSC modified masonry samples were examined under constant 500Pa pressure (water tank method) for 120h: Reduction of water penetration: 89.2%; Reduction of Water Leakage: 99.4%. **Stability under Ultra Violet (UV) Irradiation:** NSC exhibits 3 times more resistance to continuous UV irradiation than standard solvent based silanes / siloxanes. **RILEM Test 11.4 Measurement of Water Absorption on Cement Based Materials:** NSC modified surfaces water loss well below 0.5cm (standard 4cm / 1cm). **ISO EN 1015-18 Capillary Coefficient Determination:** NSC modified surfaces exhibit 0.11 g/dm²min^{0.5} (extremely effective waterproofing). **Water Vapour Permeability Loss:** 3.82% (surface application) and 20.12% (mixing).

- ## STRENGTHS
- Breathable
 - UV Resistant
 - Water Based
 - Green Label Certified
 - Powerful Hydrophobicity
 - Environmentally Friendly



APPLICATION NOTES

Surface Application: Ensure dry and clean surface. Apply NSC by brush or spray. No dilution. On absorptive surface, reapply within 3 hours. Curing time 8-24 hours.

Mixing: Replace 1/3 water used in cement batch mix with NSC.

