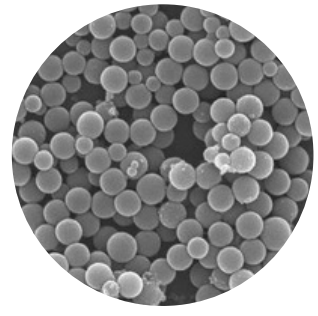




SPECIFICATIONS

Nano-Star's **NSC Nano Waterproofer** is a water-based liquid spray-on nano waterproofing treatment designed to provide industrial grade waterproofing for porous substrates including cement, tiles, grouts, walls and stones. NSC leverages on advanced nanotechnology compositions to achieve long lasting high performance waterproofing for surfaces without altering material appearance, texture and friction. It extends coated surfaces' lifetime by ensuring surfaces stay dry and free from moisture damage, water ingress or mould growth.



NSC nanoparticles penetrate deep into the pores of substrates to create a water-repellent barrier and does not get dislodged easily via abrasion. It does not form a layer or film like typical membrane systems, and it does not flood the pores like crystallization infusion. As a result, NSC-coated surfaces remain breathable.

The product performance is marked against traditional system standards without failure. NSC nanoparticles are ultraviolet resistant, do not yellow and are Green Label certified non-toxic.

USES

- Concrete
- Cement
- Tiles
- Flooring
- Grouts
- Pointing
- Stones
- Walls

STRENGTHS

- Breathable
- UV Resistant
- Water Based
- Green Label Certified
- Hydrophobic
- Environmentally Friendly
- Long Lasting

PHYSICAL PROPERTIES

Milky White, Slight Odour

Non-Hazardous, Safe for Skin

Coverage : 120 sqft / litre
(Subject to Porosity & Weather)

Storage : Cool and Dry

Shelf Life : 3 Years

pH : 7.1

VOC : 0.7 g/L (Well Below)

BP / Flash Point : > 100 deg celcius

Density : 1.01 g/cm³

Viscosity : 20 mPa.s

NSC is not considered an oxidant.

APPLICATION NOTES

1. Ensure surface is dry and clean.
2. Apply **NSC** evenly onto surface via brush or spray without dilution.
3. Re-apply as necessary on absorptive surfaces that dry prematurely.
4. Do not allow puddling. Use a sponge as necessary to even out the coating.
5. Leave to cure for 24 hours.

Mixing: It is recommended to mix tile grouting with **NSC** for pointing repair.

CERTIFICATIONS

- **HDB** Material Listed in Singapore (Housing Development Board)
- **SEC** Green Label Certified (Singapore Environment Council)



TEST STANDARDS

- **ADM/CE/018:2014** Water Penetration & Weight Gain: Pass
- **ASTM E514** Pressure Driven Water Resistance Test: 99.4%
- **ASTM D4587-11** Ultraviolet (UV) Irradiation Stability: Pass
- **ASTM E96** Water Vapour Permeability Loss: <5%
- **BS 1881-122:2011** Water Absorption Test: Pass
- **BS EN480-10:2009** Determination of Water Soluble Chloride
- **ISO EN1015-18** Capillary Coefficient Determination: 0.11
- **RILEM Test 11.4** Measurement of Water Absorption: Pass

