

Product Data Sheet
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Identification No. N - 2



SURFAPORE C

Water-based, Nano Liquid Waterproofing Invisible Sealer For Cementitious Surfaces & Natural And Artificial Stones

Description

It is a water-based, nano liquid designed to provide effective waterproofing and protection for cement based surfaces as concrete, plaster, renders, grouts, stucco, natural stones and artificial stones without changing the natural appearance or affecting the mechanical properties. The nano particles deeply penetrate the pores instead of sealing it so that water and other corroding chemicals are repelled by chemical forces.

It complies with ASTM-514, ISO EN 1105-18.

Where to use

- Walls & Basements.
- Rooftop Water-proofing.
- Render & Stucco Protection.
- Mould Growth Prevention.
- Efflorescence Prevention.
- Tile Grout Sealing.
- Negative Pressure Relief.
- Rising Damp Protection.
- Cracking prevention.
- Paint primer.

Advantages

- Most Effective & Nano Based
- High Breathability
- Not Film Forming, Invisible
- Long Lasting & UV Resistant
- Easy Application on Surface or mixed in mortar
- Water based
- Environmentally friendly
- Cost Effective

Properties

Form	Milky liquid
Color	White
Density	1.01 gm/cm ³
Viscosity	20 mpa.s

Flash point	100°C
Reduction of water penetration	95%
Reduction of water leakage	99% (at 500 Pa (for 120 hours
Capillary water coefficient	0.6x10 ⁻³ kg/m ² .min ^{1/2}
Water permeability loss	4%

How to Use

Surface preparation:

- The application surface should be dry and clean.

Mixing:

- Replace 1/3 of water used in your mix with SurfaPore C.
- Mix well.
- In any case (surface application or mixing) test results on a small area before full scale application.
- Maximum water repellency is achieved 24 hours post application.

Application:

- Apply SurfaPore C by using a brush, roller or spraying.
- No dilution is required.
- On very absorptive surfaces re-apply within 3 hours.

Theoretical Coverage:

Estimated consumption rate 8-10 m²/L, strongly dependant on the properties of the surface applied.

Packaging:

1L, 4L, 30L Containers, 1000L IBCs

Shelf Life & Storage:

SURFAPORE C has a shelf life of two years at least when stored in normal dry condition.

Health and Safety

- Care should be taken to avoid inhalation of dust and to prevent material entering the eyes.
- Use goggles-gloves and a breathing mask when applying.
- Apply forced ventilation in confined spaces.
- Remove splashes from skin with hand cleanser or soap and water.
- Eye splashes to be washed with plenty of water.

Additional Information

PROKEM provides the construction industry with a comprehensive range of construction Chemicals and specialty products answering the queries of modern engineers for trouble free durable structure. **PROKEM** designs tailor made products should there be critical application that requires specific properties rather than our main range. For our customer's satisfaction, **PROKEM** extends technical services to include after sales support to assist users in a proper handling of our products.