

Product Data Sheet
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SURFASHIELD C

Water Based, Nano Photocatalytic, Self-cleaning, Self-sterilizing
Coating For Cementitious Surfaces, Stones & Marble

Description

It is a water based, nano formulation that provides continuous and effective photocatalytic, self-cleaning, Self-Sterilizing for a wide range of porous building materials as cement renders, plaster, grouts, walls, stones and marble by absorbing surrounding light to produce oxidizing compounds which decompose bacteria, mould, odour and stains so the surfaces remain clean, acts as an airpurifier. It has no effect surfaces natural appearance.
It complies with ISO EN 27447.

Where to use

- Self-cleaning of Walls.
- Protection from mould growth and organic stains.
- Stone and monument protection.
- Environmental restoration.
- Prevents pollutant adhesion.
- Decomposes pollutants.
- Bacterial growth Inhibition.
- Exhaust gas break-down.

Advantages

- Self-cleaning.
- Self-sterilizing.
- Superhydrophilic.
- Decomposes odours.
- Air purifier.
- Continuous action.
- Environmentally friendly cleaning technology.

Properties

Form	Water based emulsion
Density	1.01gm/cm ³
Viscosity	2.5 Mpa.s
Color	Milky white
VOC	103 g.L ⁻¹

How to Use

Surface preparation:

- The application surface should be dry and clean.

Mixing:

- Shake or stir the container vigorously before use.

Application:

- Apply SurfaShield C by brush, roller or by spraying.
- No dilution is required.
- If any excess remains on the application surface, remove by using a wet cloth.
- On very absorptive surfaces reapply a second coating.
- The application of SurfaPore C 24h prior to SurfaShield C application is recommended, in order to reduce water or stain penetration.

Theoretical Coverage:

Estimated consumption rate 8-12 m²/L, strongly dependent on the properties of the surface applied.

Packaging:

1L, 4L, 10L, 30L Containers, 1000L IBCs

Shelf Life & Storage:

SURFASHEILD C has a shelf life of 18 months 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.

