

Sufashield T

Water Based, Nano Suspension for Self-Cleaning, Self-Sterilizing of Ceramic Tiles

Description	It is a water based, Nano suspension designed for ceramic tiles to give it a final coating of Nano particles that absorb the surrounding light (natural or artificial) so it makes the tiles active, they decompose organic matters and living microorganisms, eliminate stains, bacteria, fungi and odour, assure better abrasion resistance.
Where to use	• Self-Cleaning of ceramic surfaces. • Protection from organic stains. • Decomposes pollutants and protects the environment. • Bacterial and fungal growth inhibition. • Exhaust gas break-down.
Advantages	• Self-cleaning. • Self-sterilizing. • Super hydrophilic. • Decomposes odours. • Air purification. • Continuous acting on. • Environmentally friendly cleaning technology.
Properties	
Form	Water suspension
Density	1 gm/cm ³
Viscosity	1.45 cp
Color	Milky white
VOC	35 g.L
Abrasion resistance	Class 3
Antibacterial reduction	99 %
Antifungal reduction	88 %
Photo catalytic activity rate	5.9x10 ⁻⁵ min
Surface preparation	The application surface should be dry and clean.
Application	• Apply Surfashield T by air-spraying. • No dilution is required. • At an industrial level, application takes place on single-firing (mono cottura) tiles, just after exiting the main furnace and when their surface temperature is at 50 - 60 °C. • Shiny or glossy finish ceramic tiles should be given the appropriate care HVLP spraying is recommended to eliminate visible defects.
Theoretical coverage	• Total consumption rate of 30 - 38 m ² /L, strongly dependent on the properties of the surface applied.
Packaging	200 L Barrels, 1000 L IBCs
Shelf life & Storage	Surfashield T 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 reserves the right to change the properties of its products.

All orders are accepted subject to our current term of sale & delivery.

Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request.

PROKEM extends technical services to include after sales support to assist users in a proper handling of our products.