

Surfashield G

Water Based, Nano Suspension, Self-Cleaning Anti-Fogging for Glass Surfaces

Description	It is a water based, Nano suspension designed for glass surfaces to make it super hydrophilic, antifogging, abrasion resistant & self-cleaning by absorbing the surrounding light (natural or artificial). The inert perfectly adhered layer makes humidity and water cannot stand. Dirt and pollutants washed away, protect it from stains and colorants and purifies air.
Where to use	• Self-Cleaning for windows and mirrors. • Protection from organic stains. • Prevents dust and mud formation. • Decomposes pollutants and protects the environment. • Bacterial & fungal growth Inhibition. • Exhaust gas Break-Down.
Advantages	• Direct application without a heat treatment process. • Self-cleaning. • Antifogging. • Self-sterilizing. • Super hydrophilic. • Decomposes odours. • Air purification. • Continuous action. • Environmentally friendly. • Cleaning technology. • Transparent coating. • Environmental restoration.
Properties	
Form	Water suspension
Density	0.98 gm/cm ³
Viscosity	1.5 cp
Color	Milky white
VOC	103 g.L
Antibacterial reduction	89 % (within 4 hours)
Antifungal reduction	81 % (within 4 hours)
Photo catalytic activity rate	6.5x10 ⁻⁵ min
Surface preparation	• Prior the application clean the surface with water or a solvent using a cloth. • The application surface should be dry and clean.
Mixing	Shake or stir the container before use.
Application	• Apply Surfashield G by HVLP (tip diameter 0,8mm) spraying. • Two or three applications of a very thin layer are recommended. • Between each application let the material dry (up to 10 minutes strongly dependent on ambient temperature). • Do not apply excessive amounts of the material on the glass surface (do not allow dripping). • After the application let the material to cure on the surface without wetting or touching it. • Only water is necessary for the cleaning of the coated surface.
Theoretical coverage	Total consumption rate of 30 - 38 m ² /L is recommended.
Packaging	10L and 30L canisters

Shelf life & Storage	Surfashield G 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.