SurfaPore G

Hydrophobic and water-repellent for glass substrates

Product Description

SurfaPore G is an alcohol based, liquid formulation, developed and produced by NanoPhos SA that provides water repellency and hydrophobicity of glass surfaces. Can be applied easily without alteration of the glass substrates by means of appearance and transparency. **SurfaPore G** creates a thin layer with good adhesion and water-repellent and hydrophobic properties. The strong adhesion into the glass substrates is due the presence of suitable coupling agents. Therefore, water droplets cannot "stick" on glass surfaces and salt stains are prevented.

Recommended Use

Ideal for glass substrates, bathroom and glass facades. Prevents salt stains.

Key Benefits

- Invisible film forming
- The surface remains transparent
- Easy application
- Chemical adhesion into glass substrates

Technical Specifications

Form/Type ▶	Alcohol solution
Colour ▶	Colorless
Density ▶	0.80 ± 0.05 g/cm^3
Application temperature ▶	From +5°C to +35°C
pH ▶	7.75 ± 0.5

International Standards Testing

Contact angle measurement:	The wetting ability of smooth glass surfaces was evaluated with contact angle measurements. The contact angle is the angle where a liquid-vapor interface meets a solid surface. A contact angle less than 90° is a characteristic for hydrophilic surfaces, whereas contact angle more than 90° characterizes the hydrophobic surfaces. Glass substrates after SurfaPore G application transform from hydrophilic to hydrophobic. The water contact angle of glass is 51°. After the application the water contact angle of the treated glass increases to 96°.

Surface Preparation

All surfaces should be clean, dry and free from dust, oil, grease and other foreign matters or contamination.

Application

Shake before application. Apply by using a clean and dry cloth. Maximum effectiveness is achieved 24 hours post application. Slight cleaning of the surface with a cloth after application is recommended for further homogenization of the film.

Consumption

Estimated consumption rate 10-14 m^2/L, strongly dependent on the properties of the surface applied.

Health and Safety

Read label before use. Safety Data Sheet are available through NanoPhos' website www.NanoPhos.com or upon request by contacting NanoPhos through email: info@NanoPhos.com or by telephone: (+30) 2292069312.

Available Packaging

- 0.5L Plastic Container
- 1L Plastic Container

Notes & Precautions: Adverse weather conditions during or after the product application may affect the properties of the coating. Storage of closed containers, in controlled dry and enclosed space, away from sources of ignition and temperatures from 5°C to 35°C, for up to 18 months. The Technical Data should be read in conjunction with the Safety Data Sheets. The present edition of this technical datasheet automatically cancels any previous one concerning the same product. For more information please contact NanoPhos: **info@NanoPhos.com**