

## SurfaPore T

Stain protection and water-proofing for marble, granite and porcelain tiles

### Product Description

**SurfaPore T** is a water based product modified with nano-sized particles, that fit the pores of a polished surface, penetrate and “flood” the pores, which can accumulate dirt. These nanoparticles have the ability to self-polymerize and create an impermeable grid of inert material. After modification, dirt particles fail to penetrate into the micro-porosity of the surface (marble, granite or polished tile). Therefore, an important, value-adding objective has been achieved: *Permanent pore impregnation providing stain proofing and easy cleaning*. Apart from stain proofing, the molecular design of **SurfaPore T** nanoparticles induces an additional useful property: *The hydrophobic moiety, attached on top of the core nano-sized particles is responsible for the creation of a continuous hydrophobic layer that protects each tile.*

### Recommended Use

Ideal as waterproofing and stain protection for sensitive or polished surfaces. It seals pores without creating a film, porcelain tiles and other “Non-absorptive” surfaces.

### Key Benefits

- ☆ Most effective & Nano-based
- ☆ Long-lasting & UV-resistant
- ☆ Does not change natural appearance
- ☆ Easily applicable
- ☆ Water based
- ☆ Cost-effective

### Technical Specifications

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<b>Form/Type</b>	▶ Water suspension
<b>Colour</b>	▶ Clear Yellow
<b>Density</b>	▶ $1.05 \pm 0.05 \text{ g/cm}^3$
<b>Application temperature</b>	▶ From +5°C to +35°C
<b>pH</b>	▶ $11 \pm 0.5$
<b>VOC (Volatile Organic Compounds)</b>	▶ 20 g/L
<b>Viscosity</b>	▶ 2mPa·s
<b>Slight odour</b>	

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**SurfaPore T is not considered an oxidant**

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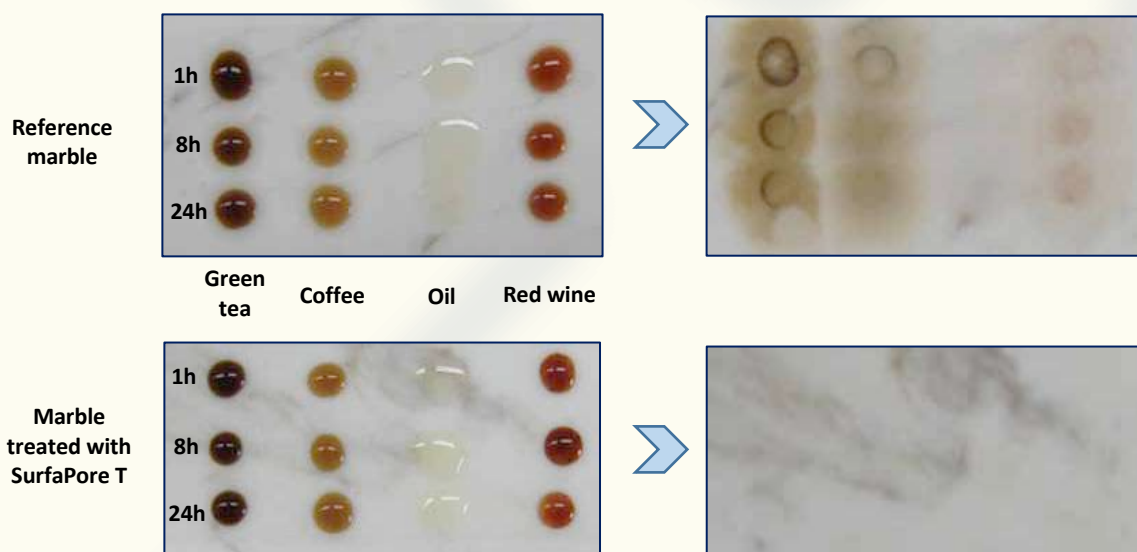
## International Standards Testing

### Stain resistance (EN 10545-14):

The results indicate that SurfaPore T surfaces such as white marble, black granite or unglazed porcelain tiles (gres porcelanato) are not susceptible to staining and exhibit Class 5 Stain Resistance.

### Food stain resistance:

In the figures below the result from food staining the polished marble and after wiping off within 1, 8 and 24 hours can be seen. In the SurfaPore T treated tile it is obvious that the surface has not been damaged in comparison to the untreated.



## Surface Preparation

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

## Application

Apply **SurfaPore T** by using a brush, roller or spray gun. No dilution is required. After 15 minutes and before **SurfaPore T** dries completely, remove any excess and polish, by using a wet cloth and then wipe out with a dry cloth. On sensitive surfaces, reapply within 3 hours. Test results on a small area before full scale application. Maximum effectiveness is achieved 24 hours after application.

## Consumption

Estimated consumption rate 14-20 m<sup>2</sup>/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](http://www.NanoPhos.com) or upon request by contacting NanoPhos through email: [info@NanoPhos.com](mailto:info@NanoPhos.com) or by telephone: (+30) 2292069312.

## Available Packaging

- 1L Plastic Container
- 4L Plastic Container
- 30L Plastic Container
- 1000L IBCs

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**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 24 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](mailto:info@NanoPhos.com)