

SurfaPore™

Total Protection...



...against
**water, moisture &
stains**

without altering surface texture or colors



Water based.

Does not contain hazardous solvents.

NanoPhos
Pioneering
Nanotechnology 

SurfaPore™ C: Nanotechnology for cement surfaces, mortar, grout, stucco and natural or artificial stones

SurfaPore™ C is a water-based formulation: mix it with your base materials instead of water or just apply it on existing surfaces. A unique result: an invincible water repellent that shields against moisture, surface cracking, freeze threat and mold!

SurfaPore™ C nanoparticles have been specially engineered to deeply penetrate and shield the microscopic pores of cement or stone. While water and moisture are actively repelled, materials retain their ability to “breathe”. SurfaPore™ C makes your surfaces moisture-free and therefore hinders mold and mildew growth and eliminates freeze threat.



SurfaPore™ R: Nanotechnology for any clay based surfaces such as roof tiles, cotto and pottery

SurfaPore™ R protects your clay surfaces from water penetration. Ceramics and roof tiles are effectively protected from deterioration and from the nasty “greening” of mold growth

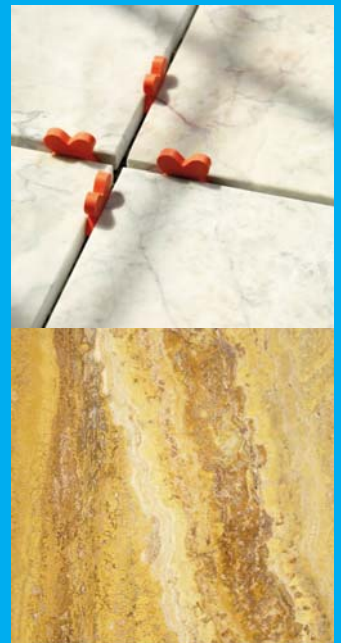
It is important to preserve the aesthetics of your clay surfaces while protecting them against water and ageing. Due to their unique nature, we formulated SurfaPore™ R to exactly “fit” the structural and surface properties of clay based materials. After applying SurfaPore™ R, your clay surfaces repel water and can remain dry after the heaviest rain! Give an end to the “greening” of your moldy roof tops and to the gradual deterioration of your favorite, clay based surfaces.



SurfaPore™ T: Nanotechnology for protecting marble, granite and porcelain surfaces from staining

Staining of porcelain tiles, marble and granite can be disastrous for these valuable surfaces. Create an impermeable and invisible shield by blocking even the finest pores of these surfaces.

Microscopic analysis of marbles, granite and porcelain tiles surfaces reveals that multiple interconnected pores exist that readily collect stains. Subsequently, these surfaces lose their shine and become discolored. Cleaning them requires significant effort and some stains are impossible to remove. The application of corrosive chemicals frequently damage your favorite surfaces. SurfaPore™ T can be easily applied on your existing or new surfaces and preserve their appearance.



give



your surfaces

the chance

to protect... themselves!

1 **Does SurfaPore™ alter the appearance of my surface?**

The final product cannot be distinguished from an unmodified product; there are no effects on the mechanical, optical or thermal properties of the underlying surface. The modified surfaces retain their original ability to “breathe”.



2 **Are SurfaPore™ formulations safe?**

SurfaPore™ formulations are perfectly safe! Compared to commonly available products that use hazardous and toxic solvents, SurfaPore™ active ingredients are suspended in deionized water. Even though the active ingredients may be abundant in the environment, it is nanotechnology that shapes molecules to become functional for your benefit! These formulations respect both the customer and environment.

3 **Do SurfaPore™ formulations work permanently?**

SurfaPore™ treated surfaces do not need maintenance or any other intervention. They are resistant to chemical attacks (ISO EN 10545-13) and stains (ISO EN 10545-14). SurfaPore™ treated surfaces have been thoroughly and successfully tested under accelerated ageing, salt, acid rain and ultraviolet radiation.

4 **How can I place SurfaPore™ formulations on my surfaces?**

SurfaPore™ products are water-based formulations that are easily applied on existing surfaces by spraying or simple brushing! No heating, treating or other labor intensive processes are required. SurfaPore™ formulations are transparent or milky-white, chemically inert and perfectly occlude pores. Estimated consumption: 8m² per liter.

5 **Does it contain pharmaceuticals or harmful reagents?**

SurfaPore™ formulations do not contain any harmful reagents to deal with mold and mildew and are totally water based. They actively repel water and therefore do not create a favorable environment for fungi and microorganisms, starving them from their most essential nutrient: water!



SurfaPore™ Specifications

- Physical Properties**
 - density ~1kg/L (20°C)
 - inflammable
 - SurfaPore™ C & R: milky-white liquids; SurfaPore™ T: clear liquid
 - SurfaPore™ C & R: pH=7,1; SurfaPore™ T: pH=7,0 - 8,0
 - solvent: water
- Packaging**
 - Plastic bottles: 1L, 4L and Plastic canister: 20L
- Storage**
 - Storage Temperature: +5°C to +50°C
 - Require protection from freezing conditions
 - Minimum storage life of 24 months in unopened, original sealed containers
- Application**
 - Clean surfaces, before applying SurfaPore™ formulations
 - SurfaPore™ C & R: Surface Coating: Apply using a brush, a roller or a sprayer. Let SurfaPore™ C & R be absorbed from the surface Mixing: SurfaPore™ C can be mixed with mortar powders instead of water, at the same mixing ratio
 - SurfaPore™ T: Apply using a soft cloth. Let SurfaPore™ T act for 15 minutes, before removing application excess
 - Do not use after the liquid has frozen
 - Substrate temperature from +5°C to +70°C
 - Estimated Consumption: 8m²/L
 - Apply on vertical surfaces by starting from bottom to top
- Post Application Treatment**
 - Protect modified surfaces for 24 hours
 - Maximum coating efficiency is achieved 72 hours after application

***"The key to mold control is moisture control.
Solve moisture problems before they become mold
problems."***

U.S. Environmental Protection Agency,
Mold Remediation in Schools and Commercial Buildings,
March 2001