

# Nanoskin

BY BFP

WHERE GLASS  
EXCELS!



GLASS RENOVATION AND PROTECTION  
FROM LIMESCALE, DUST, SOILING AND STAINING

PERMANENT  
PROTECTIVE  
**COATING**  
FOR GLASS  
SURFACES

# NanoSkin

The leader among easy-to-clean protective coatings.

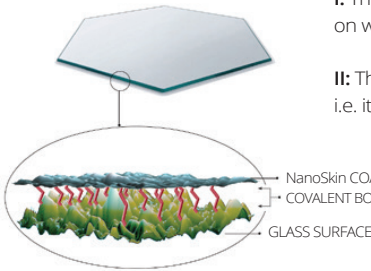
NanoSkin is a patented renovation and protection coating system for glass surfaces. By NanoSkin glass is upgraded and becomes non-stick. As a result, cleaning becomes much easier, while surfaces keep their original beauty and shine for years.

## HOW IT WORKS

Although common glass surfaces appear smooth, the reality is that they have microscopic peaks and valleys in which various contaminants are trapped and therefore, cleaning becomes a difficult task.

NanoSkin is based on the patented technology of the pioneering Hybrid Robust Protection (HyDRoP™) system. NanoSkin forms onto glass a **permanent** protective non-stick coating, which acts as an invisible barrier to water, soil and stains, thus allowing much easier cleaning less often. Glass surfaces are also protected from deterioration caused by corrosion and accumulation of deposits.

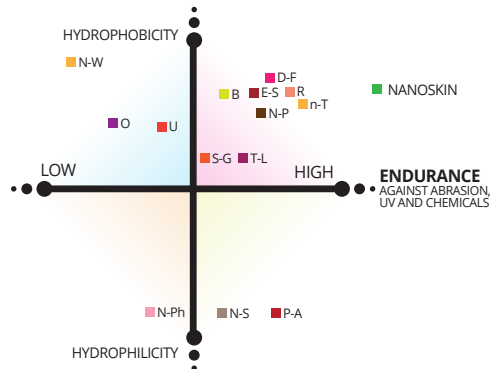
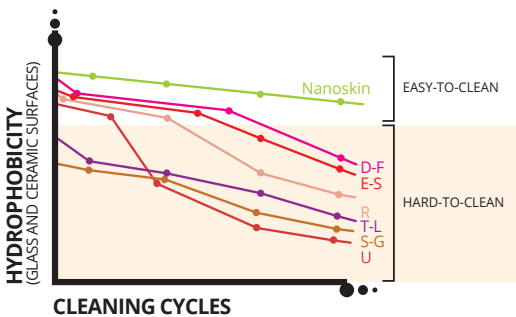
### GLASS SURFACE WITH NANOSKIN The HyDRoP™ system:



I: The surface is activated through exposure of free active sites, on which the coating is anchored.

II: The coating shares electrons with molecules of the surface, i.e. it bonds covalently to it, thus becoming part of the glass.

Optimum performance coupled with long term endurance. **ΓΩΝΙΑ ΕΠΑΦΗΣ (ΣΕ ΜΟΙΡΕΣ)**  
NanoSkin is superior to its competitors.



# NanoSkin: The evolution of surface protection science.

Even though glass is considered to be inert, it has been recently demonstrated that the strong adhesion and buildup of soil and stains can damage glass in a non reversible manner. Similarly to a metal part that has to be painted against oxidation and corrosion, glass has to be coated in order staining and corrosion to be prevented.

## MAIN ADVANTAGES

- 1 ONCE ONLY APPLICATION**  
Permanent coating which becomes part of the glass.
  - 2 MAKES CLEANING A BREEZE**  
Surfaces become non-stick and cleaning time is reduced by up to 90%. No powerful and toxic cleaners are needed.
  - 3 PREVENTS ACCUMULATION OF DIRT, LIME AND POLLUTANTS**  
Reduction of cleaning frequency. Reduction of labor and cleaning costs.
  - 4 INHIBITS GLASS CORROSION**  
(caused by sea salt or environmental pollution).
  - 5 GLASS RETAINS ITS ORIGINAL BRIGHTNESS**  
Blurring and discoloring over the years are prevented. Replacement of old glass panes is avoided.
  - 6 RENOVATION** (only for NanoSkin Shower Glass and NanoSkin PRO)  
Limescale, hard deposits and stains are easily removed. This is not possible with common cleaners and descalers.
  - 7 SELF-CLEANING PROPERTIES**  
In outdoor applications, self-cleaning in rain is enhanced.
  - 8 CEMENT SLURRY, PLASTER AND SILICONE REMNANTS CAN BE EASILY REMOVED.**  
(e.g. during building construction). Fingerprints can be also easily removed.
  - 9 RESISTS BACTERIA AND MOLD GROWTH**
  - 10 INCREASES TRANSPARENCY OF GLASS**
  - 11 5 YEARS WARRANTY**
  - 12 PROTECTS THE ENVIRONMENT**
- PERMANENT HYDROPHOBIC COATING FOR GLASS SURFACES. RESISTANT TO CLEANERS, ABRASION, ACID RAIN, UV & HIGH TEMPERATURES.

## APPLICATIONS

NanoSkin is suitable to protect either new or existing glass surfaces for both indoor and outdoor applications. In contrast to factory applied coatings, NanoSkin can be applied on both sides of the glass.

In glass production lines it can be applied by spraying systems after the tempering step. On existing surfaces NanoSkin can be applied either by trained professionals and approved applicators or by the end user.

### SUITABLE FOR :

SHOWER GLASS  
ARCHITECTURAL GLASS  
DECORATIVE GLASS  
BALUSTRADES  
GLASS ROOFS  
GLASS FENCES  
GLASS STORE FRONTS, DOORS, WINDOWS,  
MIRRORS, GLAZING, GLASS WORKBENCHES

*When a surface is coated cleaning time is reduced significantly, but the cleaning process is not eliminated. However, harsh cleaners will be no longer necessary.*



NanoSkin is TÜV tested and certified and it is probably the most durable coating system worldwide\*. Unlike oily or slick treatments that eventually come off or coatings that require revitalizing to maintain performance and functionality, the NanoSkin coating offers a permanent solution.

*\*Based on certified tests of more than 100 glass coatings.*

### CERTIFIED TESTS-WARRANTY:

**ISO 11998:2006:** Durability tests - Determination of wet-scrub resistance and cleanability of coatings - **TÜV**

**ISO 11507:2007:** Exposure of coatings to artificial weathering - Exposure to fluorescent UV lamps, temperature and water. Correlation to hydrophobicity reduction and cleanability of coatings - **TÜV**

**ISO 2409:2013:** Cross-cut test – Adhesion - **TÜV**

**ASTM E891:** Solar spectra irradiance – Change in the optical properties (reflection, transmission, absorption) of coated glass after abrasion and aging - **NCSR Demokritos**

**DIN 50018/DIN 50021:** Acid corrosion tests - Salt spray tests - **NTUA**

**EN 1096-2 (class A)/EN 14428:** Glass in building. Coated glass. Requirements and test methods for class A, B and S coatings / Shower enclosures. Functional requirements and test methods. Chemical resistance to acids-alkalis, humidity and organic solvents - **NTUA**

*NanoSkin comes with a lifetime warranty when applied by an approved professional. For more information, please visit the website: [www.bfp-tech.com](http://www.bfp-tech.com)*

# NanoSkin

BY BFP

PERMANENT EASY-TO-CLEAN SYSTEM.  
 CERTIFIED AND TESTED BY  
**TÜV SUD PSB Pte Ltd**

## NanoSkin ULTRA



PATENTED FORMULA ✓ CERTIFIED & DURABILITY TESTED

With the Hybrid Protection System **HyDRoP™**



## NanoSkin PRO



## NanoSkin Ultra (Professional)



PERMANENT  
 PROTECTIVE  
 COATING  
 FOR GLASS  
 SURFACES

## NanoSkin Pro (Professional)





## A FEW WORDS ABOUT **BFP Advanced Technologies**

**BFP Advanced Technologies** is an international company which brings new dimensions to future technology. We manufacture innovative materials and long-lasting functional nano-coatings with never-before -seen capabilities.

With a particular sensitivity to environmental protection we put you at the heart of the process. Our scientists create brand-new products and our team of professionals constantly tries to serve diversified needs with manufacturing flexibility and prompt customer service. Our focus is on delivering a novel product with the highest possible value/price ratio.

Since its founding our company has won important distinctions and awards. We also hold 7 patent applications of which 3 already have been granted. The company's management team has more than 25 years of experience in materials science and industrial applications - a documented history of success that supports BFP.

Top notch quality is at the forefront of our priorities. Our production process is ISO certified and adheres to strict quality standards. We have achieved product official approvals from renowned organizations and our coatings are the primary choice of large substrate manufacturers and individual pioneers.

In **BFP Advanced Technologies** we are proud every time that we make practice an original idea. And even more proud when customers from all around the world trust us exactly for doing that.

[www.bfp-tech.com](http://www.bfp-tech.com)



BRIDGE FUTURE WITH PROGRESS!

In **BFP Advanced Technologies** we care about corporate sustainability and environmental impact. Our nano-coatings generate zero emissions to the environment and aid in significantly reducing the use of harmful chemicals and cleansers.

