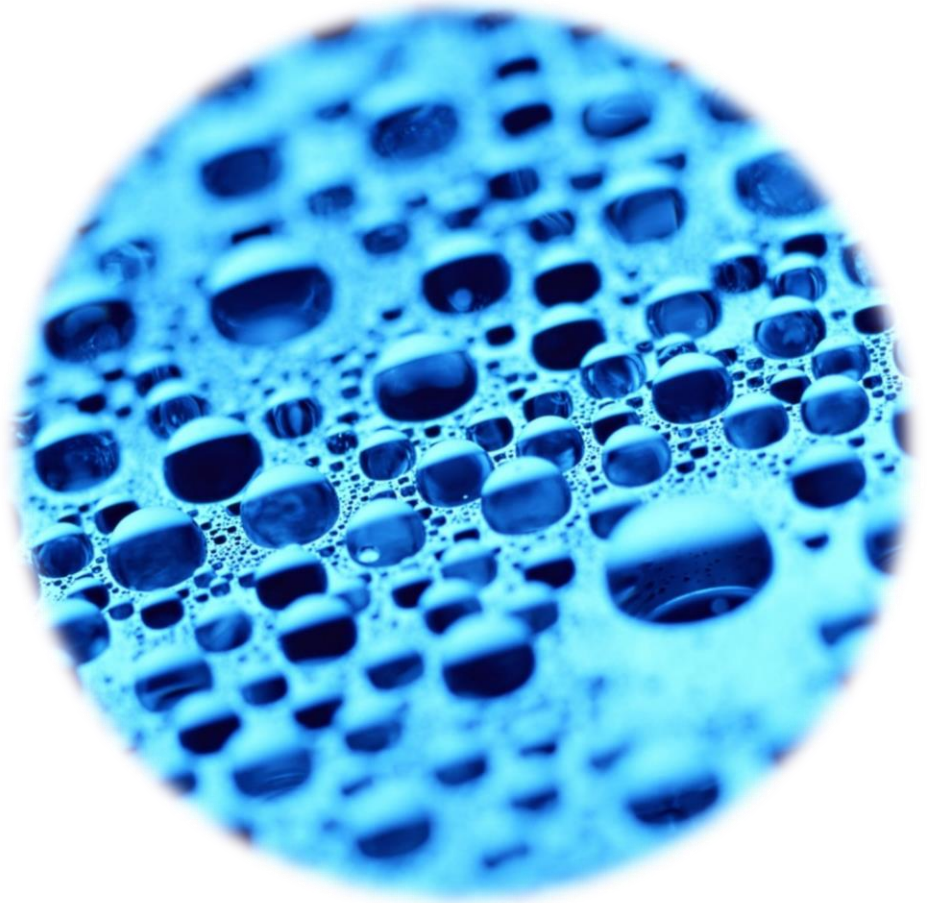


NANO TECH  
ENTERPRISE

COATINGS

Product  
Catalog



results sustainability  
quality commitment  
continuity effectiveness  
environmental friendly good  
high make the difference  
performance innovation

# ABOUT US

We are a Spanish company specialising in marketing and distributing nanotechnology products and solutions in Middle Eastern and African markets.

All the products we distribute are based on patents or nanotechnology or biotechnology projects, and they have been carefully selected. All our products share the following features:

- Innovative.
- Healthy and environmentally friendly (Ecocert or eco-certifiable).
- High quality, with differentiated features that set them apart from potential competitors.
- Effectiveness: products supported by in vitro and in vivo tests with excellent results.

We want to generate value that impacts people's lives, that results in more sustainable products and that always makes a difference. That's why at Nano Tech Enterprise we are eternally committed to high-innovation products.

## DESCRIPTION

**Nanotechnology-based water repellent** designed to **vertical and tilted surfaces of porous materials** (including low porosity materials).

It is a very high performance and transparent hydrophobic solution to protect materials against the damaging action of water and humidity.

## BENEFITS

- **SUPER-HYDROPHOBICITY:** Avoids the water absorption in the substrate, (contact angle  $> 150^\circ$ ).
- **INERT AND DOES NOT FORM ANY FILM:** Does not react chemically, leaving the substrate unchanged, allowing the complete breathability of the substrate.
- **PERMEABILITY:** ( $< 10\%$ ) minimum variation of the capacity to transfer water vapour.
- **COLOUR:** appearance, structure and colour remain unchanged.
- **HIGH DURABILITY:** Guaranteed durability higher than 10 years against all kinds of external environmental conditions.
- **OPTIMAL UV RESISTANCE:** Unaffected by solar radiation since it does not lose its properties or modify its appearance.
- **EASY APPLICATION METHOD:** Fast, with conventional systems and without needing of additional curing. Very fast drying.
- **REAPPLICABLE:** no need to remove previous treatments.

## APPLICATIONS

- Marble
- Slate
- Granite
- Limestone
- Sandstone
- Wood
- Concrete
- Brick
- Plaster
- Alabaster, etc.



## DESCRIPTION

Nanotechnology-based **water and oil repellent** with very good performance.

Hydrophobic and **anti-stain** solution with **abrasion resistance** designed for both **vertical and horizontal surfaces of porous materials**.

## BENEFITS

- **PROTECTION AND EASY CLEANING:** Protection against water, oil, humidity, spills, etc. It also facilitates the cleaning of graffiti.
- **INERT AND DOES NOT FORM ANY FILM:** Does not react chemically, leaving the substrate unchanged, allowing, in addition, the total breathability of the material.
- **LONG LIFETIME:** Guaranteed durability of more than 10 years against all type of external environmental conditions.
- **EXCELLENT ABRASION RESISTANCE:** maintains functionality after applying different abrasions (footstep, rolling...).
- **OPTIMUM RESISTANCE TO UV:** It is not affected by solar radiation as it does not lose its properties and does not modify its aspect.
- **EASY TO APPLY:** Fast, using conventional systems and without needing of additional curing. Ultrafast drying.
- **TOTALLY RE-APPLICABLE:** No need to remove previous treatments.

## APPLICATIONS

- Marble
- Slate
- Granite
- Limestone
- Sandstone
- Wood
- Concrete
- Brick
- Plaster
- WPC (Wood composite)
- Hydraulic mosaic
- Terrazzo
- Alabaster, etc.



## DESCRIPTION

TECNADIS METALCOAT “Easy-To-Clean” is a **highly-durable nano-coating for protection and easy cleaning of metal surfaces** due to its **hydrophobic** and **oleophobic** properties.

It protects from corrosion, impacts and scratching.

This product avoids polluting particles and food leftovers from sticking to the surface, simplifying cleaning tasks.

## BENEFITS

- **HIGH DURABILITY.**
- **TRANSPARENT** coating, it keeps the natural of metals as well as their superficial structure.
- **HIGH RESISTENCE TO HEAT SHOCKS** at 350°C.
- **MEETS APPLICABLE LAW** on materials to be in contact with food according to directive 2005/31/CE and regulation 1935/2004 (Intertek Consumer Goods GmbH).
- **REDUCES CLEANING TIMES AND MATERIAL RESOURCES** such as water and detergents consumption to clean lines and facilities, and avoids the use of physical abrasion and decaling agents during the cleaning.
- **DELAYS METAL CORROSION**, protecting treated surfaces from corrosive agents, weathering, marine environments, and even from acid and alkaline chemical agents.

## APPLICATIONS

- Home appliances (gas cooktops, ovens, fridges, exhaust hoods...)
- Hostelry (industrial kitchens).
- Kitchenware manufacturers.
- Food processing industries (food processing plants).
- Vending machines.
- Heat exchange equipment.
- Petrochemical industries.
- Chemical and pharmaceutical industries.
- Industrial paint manufacturers.
- Plumbing, etc.



## DESCRIPTION

TECNADIS GWR is an innovative **rain, snow and ice repellent product designed for vehicle windscreens**. Thanks to its hydrophobic effect, raindrops barely touch the surface and roll until disappearing from the windshield.

The result is an improved both day and night visibility when driving without needing the use of wipers.

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## BENEFITS

- **LONG DURABILITY:** 12 months / 20,000 kms (aprox.)
- **HIGH PERFORMANCE** (and the **best QUALITY-COST RATE** in the market): only 10-15 ml per windscreen are needed / 50ml are enough to protect 4 windscreens.
- **EASY TO APPLY:** Cleaning – Apply – Dry. In just 5 minutes.
- It **AVOIDS WINDSCREEN FREEZING**.
- It **DOES NOT RELEASE HYDROCHLORIC ACID** when applied. It allows a safe application both indoors and outdoors, unlike most of the products in the market.
- **100% COMPATIBLE** with the material adjacent to the windscreen.

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## APPLICATIONS

Windshields, windows and crystals of all kinds of vehicles (cars, trucks, trains, buses, etc.).



**DESCRIPTION**

**High quality water repellent solution for indoor and outdoor glass** which creates a protective coat against liquids and **avoids that lime stains and other substances/dirt are deposited over the glass surface, reducing notably the cleaning frequency** of treated surfaces.

**BENEFITS**

- It **KEEPS GLASS SURFACES CLEAN FOR A LONGER TIME**, reducing markedly the cleaning frequency of them.
- After application, the coating results totally **TRANSPARENT**, not modifying at all the aesthetic conditions of the glass.
- **EASY TO APPLY**: Simple application without need for special security measures.
- **ULTRAFAST DRYING** after the treatment has been applied, avoiding cumbersome spots on further handling.
- **HIGH ABRASION RESISTANCE**.
- **HIGH DURABILITY**, up to 10 years (for new crystals) and between 3-5 years in previously installed crystals.
- **HIGH PERFORMANCE**: 60 m<sup>2</sup> of treated glass / 1 Liter

**APPLICATIONS**

Specially designed to be applied on both indoor (shower screen, etc.) and outdoor static glass.





## DESCRIPTION

Ultimate heat-barrier treatment for glass. It is an innovative nano-technology based coating which blocks out the passing of Infrared (IR) solar radiation. Its outstanding blocking capacities achieves temperature decreases of about 25 %, reducing air conditioning demands in glass buildings.

## BENEFITS

- **TEMPERATURE REDUCTION:** Temperature can decrease up to 25% inside glazed spaces.
- **ENERGY SAVINGS:** energy consumption required for cooling a room is significantly lower than untreated glazed spaces. The coating achieves savings rates in air conditioning operation systems up to 60%.
- **HIGH PERFORMANCE** (50 m<sup>2</sup>/L or 20 ml/m<sup>2</sup>) and efficiency, makes it one of the most effective solutions currently available in the market.
- **HIGHLY DURABLE:** resistance to conventional cleaning procedures with cleaners / chemical products, keeping unaltered its blocking capacities. Durability: 10 years under proper application and usage conditions.
- **EASY TO APPLY:** with a conventional spray gun or usual cleaning tools (articulated sponge, cloth, etc.). Unlike other products currently available in the market, «cascade» method is not necessary in this case.
- **TRANSPARENT:** the glass visual appearance is unaffected.

## APPLICATIONS

Glazed buildings



## DESCRIPTION

**Nanotechnology-based superhydrophilic and anti-dust product for protecting both indoor and outdoor glass surfaces.**

This product is an innovative superhydrophilic and anti-dust solution that provides **self-cleaning properties** to glasses.

The superhydrophilic property allows water to contact the surface creating a thin layer which dries homogeneously, avoiding the appearance of water marks, and also reduces dust adhesion.

## BENEFITS

- **GLASS ALWAYS CLEAN:** This product reduces glasses cleaning and maintenance time.
- **DOES NOT DEPEND ON SOLAR RADIATION:** The coating is not based on  $\text{tio}_2$  technology, in contrast to its competitors.
- **TOTAL TRANSPARENCY:** The coating does not modify the glass aesthetic conditions.
- **HIGH DURABILITY:** The average durability of this treatment is 3 years.
- **TOTAL UV RADIATION RESISTANCE** and atmospheric agents and conventional cleaners.
- **EASY TO APPLY:** With a gravity, suction or pressure atomization gun.
- **BEST QUALITY-PRICE SOLUTION:** Based on its distinguished technology, high performance and low cost, it is presented as a unique solution in the market.

## APPLICATIONS

Outdoor and indoor surfaces. Applicable on both indoor and outdoor glasses such as shower-screens, windows, mirrors and solar panels, among other (exposed to the water/rain/dust action).



## DESCRIPTION

**Nanotechnology-based anti-graffiti product that protects the porous surfaces against graffiti, paints, markers, indelible markers, etc., facilitating its cleaning and its elimination.**

## BENEFITS

- **HYDROFUFFING AND OLEOFUGANTE EFFECT:** The product protects against water, oils and stains in general.
- **CLEANING CYCLES:** The product withstands more than 10 cleaning cycles.
- **RESISTANT FILM:** The product forms a resistant film that avoids the penetration of the paint on the surface.
- **TOTALLY REAPLIBLE:** The product can be reapplied and it is not necessary to eliminate previous treatments.
- **UNALTERED SUBSTRATE:** The active compounds do not react with the treated surface, keeping the substrate unchanged.

## APPLICATIONS

Suitable for the treatment of porous surfaces of terrazzo, marble, granite, concrete, ceramics (brick, tile), sandstone, and in general any construction substrate, both in exterior and interior applications.





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