



Sani-IT

Improving Surfaces

ACTIVE PURIFICATION OF SURFACES

Description:

High Tech Surface is a hydrophobic protective agent that, thanks to the innovative nanotechnology formulation, protects surfaces from bacteria and viruses, while also eliminating pollutants in the air through its photocatalytic effect.

Main Characteristics

Characteristic	Advantages	Benefits
Hydrophobicity	Creates an ultra-thin nanometer protection	Avoids areas where water stagnation can form
Anti- adhesion	Easy to clean	Simple maintenance for surfaces
Sanitizer	A shield against viruses and bacteria	Safe to touch
Disinfectant	Degrades pollution present in the atmosphere	Healthier air and improved environments
Viable Temperature range between (-50 to 250 degrees Celsius)	Usable in environments with high temperatures	Versatile in respect to potential applications

HT Surface is a surface coating that, thanks to its hydro-repellency and nanostructure, allows for a triple action: it is easier to clean; it creates a shield against viruses and bacteria; and it degrades pollutants in the air.

Sanitization occurs both in the presence of light due to photocatalysis and in the dark due to its low surface energy, which makes it difficult for microbes to adhere to it.

The three-dimensional nanostructure, present on the surface, guarantees the sanitizing effect that regenerates every time the surface is cleaned, for the entire life of the coating.

It does not require the use of specific detergents.

It contains no metal nanoparticles or biocides.



The antibacterial tests that have been carried out have shown an efficacy of more than 99.999% degradation of microbial loads.

Risultati ottenuti con ceppo <i>Escherichia coli</i> ATCC 8739				
Uo	Ut	At	R	R %
5.62	4.79	NQ	4.49	>99.99
Risultati ottenuti con ceppo <i>Staphylococcus aureus</i> ATCC 6538				
Uo	Ut	At	R	R %
5.26	4.51	NQ	4.21	>99.99

Uo: Initial count on untreated specimens, expressed in Log

Ut: Counts after 24 hours of contact on untreated specimens, expressed in Log

At: Counts after 24 hours of contact on treated specimens, expressed in Log

R Log: Antibacterial activity ($R = U_t - A_t$), logarithmic difference

R %: Percentage reduction

NOTE: For the tests to be carried out on the untreated material, the Laboratory used an internal plastic material, since the customer only sent the treated material.

HT Surface contains highly oxidizing nano-particles that impart antiviral activity to the surface.

HT Surface when in contact with any moisture or water present inside the air ducts or other systems of the Air Handling Units, does not release substances harmful to one's health and the environment while also performing an anti legionella action.

The reduction of pollutants in the air, occurs in the presence of light and humidity, by photocatalytic effect: the light absorbed by the nanoparticles present inside the coating, generates reactive oxygen particles that go on to oxidize pollutant molecules, transforming them into substances that are not harmful to the environment.



Storage methods: **HT Surface** should be stored in the original packaging in a cool and dry environment (with temperatures between 5°C - 25°C).

Under these conditions, the product can be stored for 12 months.

HT Surface is available in 250ml, 500ml and 1l Plastic packaging; or 100ml Glass packaging.

Directions:

The container should be shaken well before applying the solution.

Warnings for the application of HT Surface:

- DO NOT apply in windy conditions
- DO NOT apply if the surface is damp or wet (stagnant water must NOT be on the surface to be treated)
- DO NOT apply on surface that is too hot or exposed to the sun, to prevent the solvent from evaporating too quickly and creating unwanted product buildup.

OPTIMAL CONDITIONS OF APPLICATION: temperatures between 5° and 30° with relative humidity not exceeding 80%

CARE CONDITIONS: **HT Surface** cross-links and forms an ultra-thin, transparent coating that is already active within 4 hours of application. Its water-repellent protective action is optimal one to two days after application.

HT Surface is applied by spraying it with an appropriate spray gun directly on to the surfaces or can be applied manually with a microfiber cloth.



Description:

HT CLEANER is a neutral detergent with citrus extracts for cleaning all surfaces.

MAIN CHARACTERISTICS

Characteristic	Advantage	Benefit
Neutral Detergent (pH7)	Multi surface	Can be used on delicate materials such as, marble, wood, plastic and glass
Does not produce foam	Does not leave watermarks	Does not require rinsing and does not create surface patinas.
Disinfectant	Creates a shield against viruses and bacteria	Surfaces are safer to touch
Decreases pollution	Degrades polluted substances present in the atmosphere	Healthier air and environments

High Tech Cleaner: creates a surface nanostructure, due to the presence of nanoparticles which can protect surfaces against viruses and bacterias and remains active over time.

The sanitizing action is enhanced by light due to the photo-catalytic effect generated by the nanoparticles.

HT CLEANER must be stored in its original packaging in a dry and cool environment

(With temperatures between 5-25 degrees Celsius).

In these conditions, the product can be stored for up to 12 months.

HT Cleaner is supplied in packages of: 75ml, 1l, 5l, and 25l

METHOD OF USE

Spray **High Tech Cleaner** on the surface, for manual use, or into the pavement scrubbing machine. Rub the surfaces with a microfiber cloth or scrubbing machine.

Does not require rinsing afterwards. Available in two versions **HT Cleaner** 5% usable as a multi-surface cleaner **HT Cleaner** 10% usable in pavement washing machines.

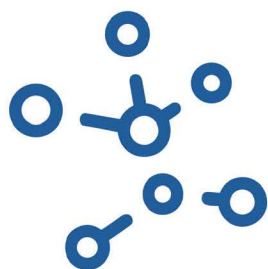


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