IngeniaTouch

protecting life through nature

Enhance the hygiene and air quality

of your property

with

Hygienia Touch©

protection

HygieniaTouch© is a brand name of IngeniaTouch Ltd. I Reg, 36 Fitzwilliam Square I Dublin 2, D02 HX82, Ireland

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Member of SSPC: The Society for Protective Coatings / Member of steering committee Techies Go Green www.techiesgogreen.com

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Challenging: Keeping up the hygiene and air quality standards

Over time, typical and unpleasant odors tend to accumulate in various areas. Even with regular, intensive cleaning, complete prevention may not always be achievable, particularly in areas that experience prolonged and frequent use. The presence of moisture and bacteria can give rise to various fungi and odors in environments like:

- Waste areas
- Changing and locker rooms
- Indoor & outdoor pool deck
- Spa, gym
- Public sanitary facilities
- Kitchens, and many more

The use of air fresheners, which merely mask odors, causing our sense of smell to perceive only the dominant scent, does not contribute to resolving the underlying issue.

Furthermore, the elevated concentration of pollutants is not only unpleasant but also constitutes a considerable health concern for individuals. These enclosed and humid environments are particularly susceptible to the generation of issues and infections caused by viruses, bacteria, or fungi.

THE SOLUTION:

HygieniaTouch-protection is a nano-coating based on Titanium Dioxide (TiO_2) and is activated by exposure to light, leveraging photocatalytic properties to break down and inhibit the growth of algae and related mosses on surfaces.

By harnessing the power of natural light, **HygieniaTouch**-protection provides an environmentally friendly and energy-efficient solution.

HygieniaTouch protection is safe for humans, animals and the environment. It is easy to apply and will last for a year.

Furthermore, through the same process, surfaces treated with **HygieniaTouch** protection destroys all viruses, bacteria and fungi, preventing them from reproducing in a damp and wet environment.

Turn your facility into a healthy and odor-free area

Enjoy the freshness

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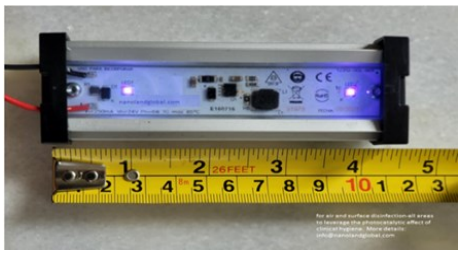
STEP 1: Small UV-LED lamps are installed.

HygieniaTouch-protection is activated by UV light, either from the sun or UV lamps.



The HT-light-lamps emit the same light as a small fluorescent lamp but are based on LED technology and have a lifespan of 50,000 hours. It is safe for eyes and skin, and not the same as UV light in hospital de-contamination units.

The **HygieniaTouch**-protection and the lighting work together to achieve the desired results. When activated by light in the presence of ambient humidity and oxygen from the air, the surfaces continuously and safely produce natural radicals that, in turn, can eliminate microorganisms and toxic gases that cause odors.

With our technology, surfaces are active 24 hours a day, preventing the development of viruses or colonies of bacteria that could cause diseases.

STEP 2: Treatment with HygieniaTouch- protection

The invisible, water-based, and completely non-toxic **HygieniaTouch**-protection is applied once per season and its activity is permanent if it receives daylight. 1 liter of **HygieniaTouch**-protection will cover 8-10 sq meter.

HygieniaTouch-protection is applied by spraying. A low-pressure gardening sprayer will do.

From a sustainability perspective, cleaning is also made much easier once our protective surface treatment is applied. The unique hydrophobic, hydrophilic nature of the treatment means that dirt and grime cannot bond to the substrate, thus significantly reducing cleaning times, water usage, chemicals and effort.

The facilities will also be better protected against the influence of UV and will help remove methane and negative climate pollutants from the air. The efficacy of this product is firmly based on numerous physicochemical studies.

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