



**Eliminate the growth of algae
at
jetties and slipways**

with



protection

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THE CHALLENGE:

Slipping on algae-covered surfaces, such as jetties, slipways and walkways in harbours or leisure environments, can pose several dangers and risks to individuals. They are not only dangerous, but look unattractive.

Accidental Falls: Algae create a slippery surface, especially when wet.

Increased Liability: Property owners, may face increased liability when individuals slip and injure themselves on algae-covered surfaces.

Safety Concerns for Guests and Staff: the safety and well-being of guests and staff are of paramount importance.

Health Risks: Algae may contain substances that can be harmful to health.

Negative Aroma: Regardless of source, all negative smells in hospitality are a nuisance.

Damage to Property: Beyond the risk to individuals, algae growth can also cause damage to property.



The current conventional methods involving the frequent cleaning with high-pressure sprayers and the use toxic chemicals to eliminate algae and moss are expensive and labor intensive. In addition to being costly, this approach also raises environmental concerns due to the harmful nature of the chemicals used. In the context of a green, climate-conscious environment, an innovative and promising alternative involves the utilization of **HygieniaTouch** protection treatment.

THE SOLUTION:

HygieniaTouch-protection is a nano-coating based on Titanium Dioxide (TiO₂) 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 harbour or leisure center into a healthy and safe environment



Research and development efforts should prioritize the formulation and application of TiO_2 coatings, offering a non-toxic and sustainable means of addressing the persistent growth of algae and moss.

This approach not only ensures the safety of leisure infrastructure but also aligns with environmental conservation goals. TiO_2 coatings exemplify a forward-thinking technology that minimizes ecological impact, setting a precedent for responsible facility maintenance practices.

By embracing TiO_2 coatings, stakeholders can proactively contribute to a more sustainable and resilient approach to managing the challenges posed by algae and moss.

This innovative solution not only reduces the reliance on harmful chemicals but also fosters a harmonious balance between safety, economic considerations, and environmental preservation .

Treatment with HygieniaTouch-protection

The invisible, water-based, and completely non-toxic **HygieniaTouch** protection is applied once a year 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 suffice.

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.

Jetties, walkways and deck areas 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.

Non-Toxic Air and Bacteria-Free Surfaces

In areas where there is no natural light, such as basements, kitchens, staff changing facilities, cold-rooms, etc., or where aroma is particularly bad or where there is a potentially high bacterial load, we offer a UV-LED apparatus to activate the coating on the surface.



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