

**Stops organic growth before it causes expensive damage**



Wall becomes stained from years of dirt and dust accumulation



Unightly stain caused by mold and mildew.

**What if a building could stay clean without any cleaning...**



Shopping center in Japan treated with Photocatalyst coating since 2002. No cleaning was done since the application.



Apartment building in Kobe, Japan treated with Photocatalyst coating in 2003. Building stays clean without spending any resources on cleaning.



[www.safeencasement.com](http://www.safeencasement.com)

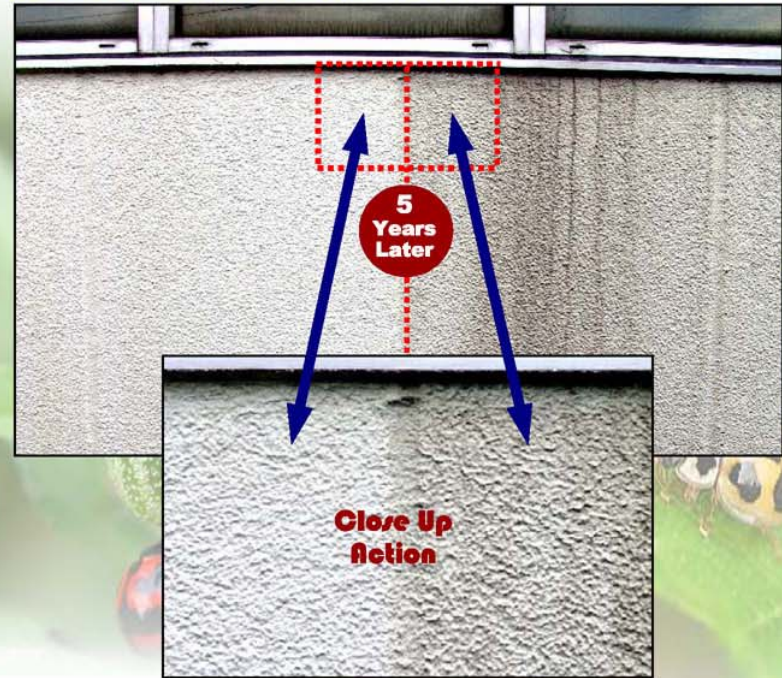
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Presents

**SOLARCLEAN**

Protecting your building envelop from environmental contamination



Residential, Commercial, Hotel, Apartment, New Building, etc.

## The Problem – Dirty exterior surface of buildings

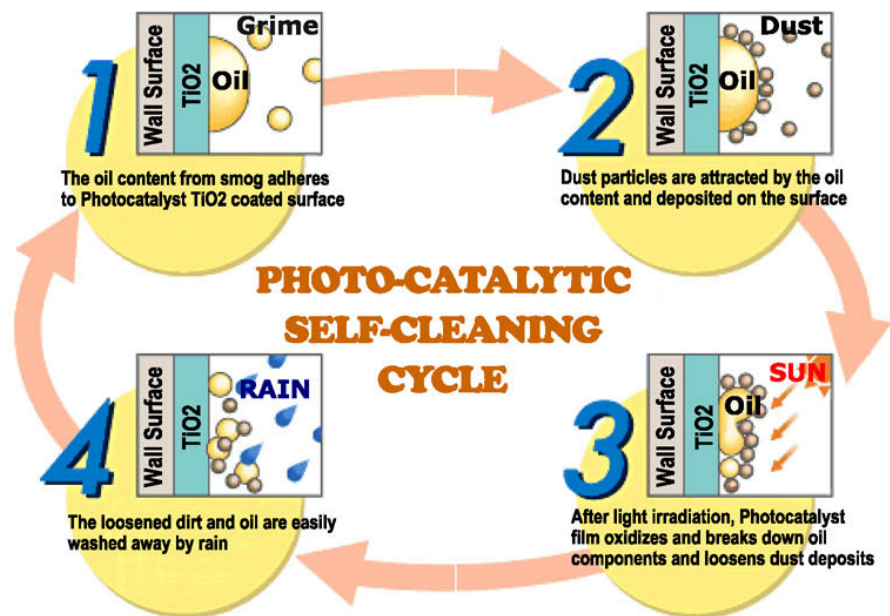
After a period of time the exterior surface of buildings like roofs and facades will become dirty, uneven discoloration will appear, often in patterns revealing how rain washes off the surfaces. Hydrocarbon deposits attract dust and dirt to accumulate and form unsightly marks and stains. Biological growth such as mold and mildew are difficult problems to prevent and virtually impossible to permanently eradicate without using a toxic chemical.

## Solution: Green Titan SOLARCLEAN Photocatalyst Treatment

Before we start looking for solutions to a problem, we need to understand the problem first. Hydrocarbons (the content found in any fossil fuel emission) are like glue that attracts dirt and dust. Once it adheres to the wall, the hydrocarbon deposit acts like magnet to attract dirt and dust in the air. We cannot completely eliminate use of fossil fuel, how can we prevent and remove as constant hydrocarbon deposit on building exterior?

## Introducing Photocatalytic self-cleaning cycle

By continuously decomposing the hydrocarbon deposit on building exterior, SOLARCLEAN treatment prevents dirt and dust build up that eventually creates unsightly stains.



**Green Titan's SOLARCLEAN Photocatalyst treatment exhibits dual self-cleaning mechanisms: 1. Decomposition 2. Hydrophilicity**

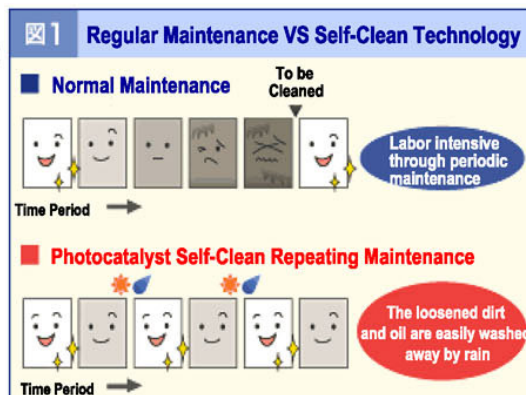
**Surfaces treated with SOLARCLEAN acquires the following properties:**

- **Antistatic** - Dust particles are no longer attracted to the oily components on the wall
- **Oxidation** - Effectively breaks down any hydrocarbon deposit or organic growth
- **Hydrophilic** - High affinity to water allows dust or dirt to be easily washed off by rain or water

## Light Clean Revolution - Emerging Self-Clean Nature Science

Normally, building exteriors are cleaned twice a year using traditional methods. These methods provide a VERY temporary solution and the building surface becomes progressively more unsightly. Soon re-cleaning is necessary, and eventually refinishing due to the deteriorating effects of ultraviolet rays. This maintenance process is COSTLY and INEFFECTIVE.

Green Titan's SOLARCLEAN Photocatalyst treatment provides a long-term, cost-effective solution for building maintenance while enhancing surface longevity. Once applied, it maintains the building's immaculate appearance with the self-cleaning cycle. The treatment also protects the surface of the building from mildew, dirt, oil residue and other pollutants. Photocatalyst TiO2 also protects the building from effects of ultraviolet rays, just as sun-block (that contains titanium dioxide) protects human skin.



## 10 years of RETURN ON INVESTMENT (ROI)

