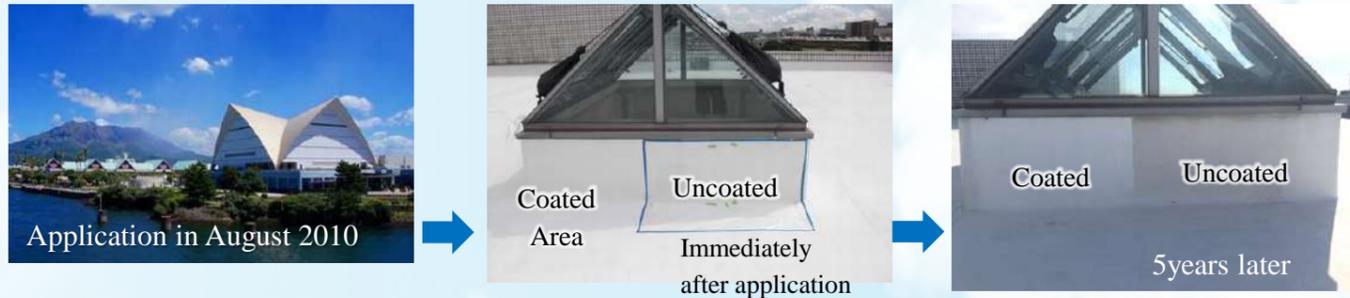


Application Record

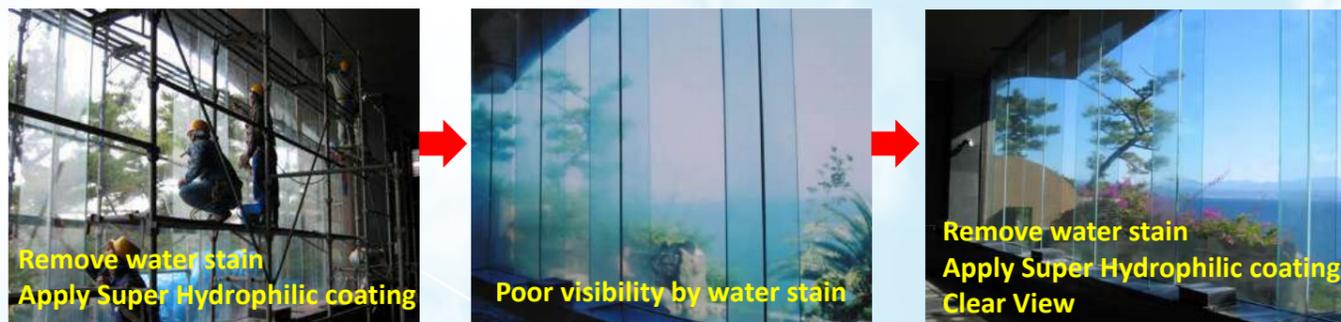
◆ Kagoshima Aquarium / Antifouling of high reflection thermal barrier coating / measures against volcanic ashes



◆ Tokyo Big sight West building's roof / Anti-fouling coat on thermal barrier painting



◆ Hot spring facility in Japan/ removing water stain and applying coating for making fine view



◆ Acrylic Mirror in Japan



◆ Commercial facility in China Beijing,



◆ Bus body in Japan



It is hard to get dirty
Still adhering dirt self-cleaning with rain

Anti-Static & Super Hydrophilic Self Cleaning Coat

Anti-fouling Coat

Exterior material of existing building
/ window glass / antifouling coat for solar panel

Contact

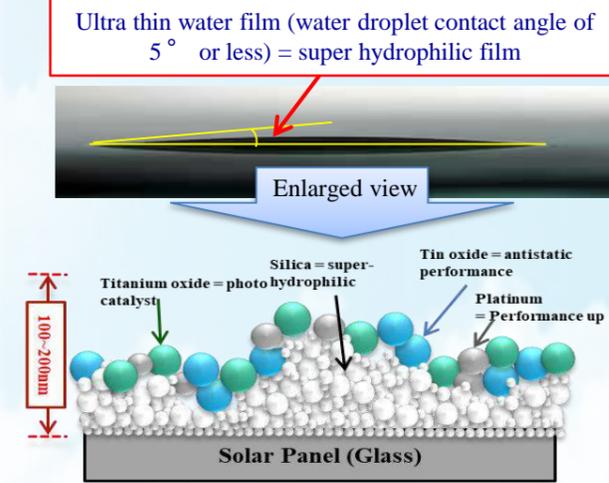


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What is Anti-Static & Super Hydrophilic Self Cleaning anti-fouling Coat ?
 Using nano-sized silica and tin oxide mainly for the exterior materials of existing buildings, it is hard to stain such as yellow sand and carbon by antistatic, and the dirt attached is self-cleaning with super hydrophilic performance. It is antifouling coating of 100% nano inorganic material for the world first.



The Structure of coating
 Our company's inorganic binder makes uneven surface using silica of 100 ~ 200 nano class on the surface of the glass substrate, and always creates a superhydrophilic film. They are used as 100% inorganic paste adhered to the base material. Forming a coating film of tin oxide on top of it, anti-electrostatic property = anti-electrostatic function makes it difficult for dirt to adhere. Ultra fine particle platinum improves weather resistance and chemical resistance, and it exerts an effect on anti-fouling function improvement. If you want to further improve the antifouling function, use photocatalytic titanium oxide to make it effective in decomposing organic dirt, such as resin and oil stains. All cutting edgelt is the world's first coating technology produced by nanotechnology.

SiO2 : Adhesion and super-hydrophilic	Pt : Chemical resistance and performance improvement
SnO2 : Anti-Static	TiO2 : Photocatalyst

Main 3 functions of antistatic super-hydrophilic self-cleaning coat

Anti-static

Static electricity is hardly generated from the substrate, yellow sand and dust will hardly be adhered.

Super Hydrophilic

Unlike the super-hydrophilic function by a chemical reaction of the photo catalyst, the binder has an uneven surface. Even if there is no light it will form a super-hydrophilic film

Photo catalyst

About titanium oxide, each manufacturer has a difference of decomposition effect by the photo catalyst. we could introduce a good nano material.

※ There is no photocatalytic function for Super Glass Barrier, Resin primer.

Exterior material / outer wall / roof of the existing building

Anti-Static

Super Hydrophilic

◆ Super Glass Barrier (SGB)

Target substrate: painted wall surface · aluminum panel · tile · concrete ※ 1

Durability : 10 years later

Purpose : Maintain long-term aesthetic

※ 1 ; Prepare the penetration inhibitor beforehand on the base material to which water penetrates.

Solve the problem of rain drop of exterior material

Not raindrop trace

8 years after application Maintain long-term aesthetic

2 years after outdoor exposure test

For PET film, polycarbonate, acrylic resin

Anti-Static

Super Hydrophilic

◆ Resin Primer

Target substrate: PET film, polycarbonate, acrylic, etc., resin substrate

Durability : 10 years ~

Purpose : • Maintain long-term aesthetic

• For photocatalyst coating, inorganic adhesion primer

PET Film

LED Fluorescent lamp Of PC

Traffic Mirror Of Acrylic

For Window Glass, Mirror

Anti-Static

Super Hydrophilic

Photocatalyst

◆ Hyper Glass Barrier (HGB)

Target : window glass, Mirror

Durability : ~10 years

Purpose : • Reduction in power generation efficiency due to dirt

- Snow removal promotion effect
- Number of cleaning maintenance and cost reduction

For Window Glass, Mirror

Anti-Static

Super Hydrophilic

Photocatalyst

◆ Clean Self Coat MC-T (Maintenance Coat-TiO2)

Target : Window Glass, Mirror

Durability : 6 months ~ 1 year

Purpose :

- Maintain long-term aesthetic
- Maintenance cost reduction of glass cleaning
- Prevention of cloudiness

For outside window

Mirror in bathroom

Aesthetic appearance maintenance & cleaning cost reduction

Anti-fog & Anti-water stain