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

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

Anti-Static & Super Hydrophilic Self Cleaning Coat

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

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

Application in August 2010

◆ 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

Anti-fouling Coat

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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.

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

- **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

- **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.

- **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

- **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
  - Aesthetic appearance maintenance & cleaning cost reduction
  - Anti-fog & Anti-water stain

Hyper Glass Barrier (HGB)

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  - 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.

- **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

- **For PET film, polycarbonate, acrylic resin**
  - Target substrate: PET film, polycarbonate, acrylic, etc., resin substrate
  - Durability: 10 years
  - Purpose: • Maintain long-term aesthetic
  - • For photocatalyst coating, inorganic adhesion primer

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