

# TECHNICAL DATA SHEET

## IGL COATINGS™ ECOCOAT TITAN



Material no. **154289** Revision date **23.02.2021**  
Version **1.4**

### IGL COATINGS ECOCOAT TITAN

## A PHOTOCATALYTIC COATING SYSTEM WITH SELF-CLEANING PROPERTY FOR HIGH TRAFFIC SURFACES.

### Description

**ecocoat titan** is a user-friendly coating system for high traffic areas such as doorknobs and countertops. **ecocoat titan** is a water-based inorganic coating system with titanium dioxide photocatalyst. The consumption of the product will depend on the application method, approximately 1-5 ml/m<sup>2</sup> is sufficient for most applications. The photocatalyst is activated by light with wavelengths between 350-450 nm.

### Technical data

Property	Value	Method
Flash point	>95°C	DIN 51755
pH	4	DIN 19268
Specific Gravity	1.03 (at 20°C)	DIN 51757

### Applications

Photocatalytic surface treatment of glass, metal and plastics.

### Processing

- Do not apply the product at temperatures below 5°C (41°F).
- The surface must not be hot during application.
- Provide adequate ventilation and fresh air during application.
- Proper preparation of the surface prior to application will determine coating durability.
- **Caution: ecocoat titan should not be applied on surfaces which will come into contact with food.**

### Step 1: Cleaning the surface

- The temperature during application should be in the range of 5-40°C (41-104°F), **preferably 20-26°C (68-78.8°F)**.
- In order to permit sufficient chemical bonding of **ecocoat titan** to the substrate, the surface must be carefully cleaned of all contaminants before the application. The durability of the coating depends on how well **ecocoat titan** has chemically bonded with the surface.
- Degrease the surface with **ecoclean precoat to remove surface contaminants**. It is recommended to use the IGL Microfiber Cloth for degreasing. The degreasing ensures a completely clean and reactive surface.
- Coat the cleaned surface immediately after cleaning to prevent any contamination.

### Step 2: Treatment process

- Place a few drops of **ecocoat titan** on the provided application cloth in a vertical direction.
- Apply the product lightly on the surface in a 3x3 feet area, in a vertical (up and down) **OR** a horizontal (left to right) motion.
- Always ensure the areas coated are overlapping.
- Allow coating to cure for 12 hours (20-80°C or 68-176°F) before touching the surface.
- A single layer of **ecocoat titan** is sufficient for protection of high-traffic areas.
- Can also be applied using spray or dip coating methods.

**Important Note: ecocoat titan is a wipe on and leave formulation. There is NO buffing or levelling off required after the application. Any application errors made can be corrected by removing the coating with a concentrated bleach-based cleaners.**

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### Curing Time

- The coating will be dry-to-touch in 4 hours (25°C or 77°F)
- The applied coating will fully cure in 12 hours.

### Cleaning and Maintenance

Surfaces coated with **ecocoat titan** should still be regularly cleaned with cleaners or disinfectants such as **ecoclean pure or other** regular household cleaners. Diluted bleach-based cleaner is tolerated. However, exposure to concentrated bleach-based cleaners will damage the coating.

### Safety and Handling

For your safety, toxicological data and information on property transportation, storage and use, please read the Safety Data Sheet (SDS) before using any **IGL Coatings products**. The SDS is available upon request via email from [sales@iglcoatings.com](mailto:sales@iglcoatings.com).

### Disposal

Disposal of this product, solutions and any byproducts should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

### Storage

**Ecocoat titan** is storage-stable for at least 12 months in originally sealed containers.

Opened bottles should be used within 6 months.

Minimal crystallization is expected after bottle is opened.

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