

# TECHNICAL DATA SHEET

## IGL COATINGS™ ECOCOAT EZ



Material no.

154325

Revision date

07.09.2023

Version

1.22

## IGL COATINGS ECOCOAT EZ

### GRAPHENE-REINFORCED COATING SYSTEM FOR HYDRO AND OLEOPHOBIC TREATMENT OF PAINTS & GLASS.

#### Description

**Ecocoat EZ** is a user-friendly graphene-reinforced ceramic coating system for multiple surfaces. **Ecocoat EZ** exhibits enhancements in the aspects of hydrophobicity, durability, water slip, as well as chemical resistance, and weathering resistance. The consumption of the product will depend on the application method, approximately 5-10 ml/m<sup>2</sup> is sufficient for most applications.

#### Technical Data

Property	Value	Method
Flash point	26°C	DIN 51755
Boiling point	126°C	DIN 51755
Specific Gravity	1 (at 20°C)	DIN 51757

#### Applications

Treatment of all types of painted surfaces and glass.

#### Processing

- Do not apply the product at temperatures below 5°C (41°F).
- Do not expose the surfaces to be treated to direct sunlight before and during application.
- The surface must not be hot during application.
- Provide adequate ventilation and fresh air during application.
- If the substrate was previously treated with a coating system, proper removal, preferably with a polishing agent is important to ensure that the product bonds with the surface.

**REMINDER: Always test on an inconspicuous area first. Kindly contact your local IGL Coatings representative if you need advice.**

#### Step 1: Cleaning the surface

- The surface temperature during application should be in the range of 5-40°C (41-104°F), **preferably 20-26°C (68-78.8°F)**. At higher surface temperatures (>30°C) and humidity (>50% r.h), the applicator will need to be more careful to not allow coating to cure before leveling.
- To permit sufficient chemical bonding of **Ecocoat EZ** 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 EZ** has chemically bonded with the surface.
- It is highly recommended to polish the surface with an abrasive system to remove all hard-bearing contamination on the surface.
- The additional use of **Ecoclean Iron** is recommended to remove iron particles or fallout.
- Use **Ecoclean Wash** to thoroughly remove all remaining residue and leftover film on the surface.
- Dry the surface before degreasing the surface with **Ecoclean Precoat**. It is recommended to use the IGL Microfiber Cloth for degreasing. The degreasing ensures a completely clean and reactive paint surface.
- Coat the cleaned surface immediately after cleaning to prevent any contamination.

#### Step 2: Treatment process

- Shake **Ecocoat EZ** well before application to ensure the mixture is homogeneous.
- Place a few drops of **Ecocoat EZ** on the provided application cloth in a vertical direction.

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- Apply the product lightly on the surface in a 1x1 feet area, in a vertical (up and down), then horizontal (left to right) motion. If applying at higher temperatures and/or humidity, apply in smaller areas. Level the coating using a clean and dry IGL Microfibre Cloth within 1 minute.
- Always ensure the areas coated are overlapping.

**Important Note: Do not let the film dry sporadically. If it dries within 0.5-1 hour, the film can be removed with a small amount of Ecocoat EZ or Ecoclean Multi. If removed with Ecoclean Multi, wipe off any residue before re-applying Ecocoat EZ. If the film has hardened for more than 12 hours, it will need to be polished off with an abrasive system and reapplied.**

- The hydrophobic effect generally can be seen depending on the substrate, reactivity, and temperature after its initial curing stage and is further enhanced after a few hours.
- Air dry the coated surface after application for approximately 1 hour and avoid contact with water.

### Curing Time

- The applied coating will fully cure in 3-5 days.
- During this period the surface should not be washed with any harsh shampoos, all-purpose cleaners, or any product containing caustic soda. **This will damage the hydrophobic properties.**
- If necessary, the coated surface may be washed with just normal water during this period.
- **Ecocoat Premier** can be applied on the surface coated with **Ecocoat EZ** to prevent the formation of water spots during the 3-5 days full curing period.

### Cleaning and Maintenance

Surfaces coated with **Ecocoat EZ** should be cleaned with cleaners in the pH range of 3-9. Strong acids or alkalis should be avoided and are also unnecessary as neutral cleaners are generally sufficient to clean vehicles coated with **Ecocoat EZ**.

### 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

Dispose of product residue in incompletely emptied bottles by bringing it to the municipal collection point for hazardous waste. To dispose of emptied bottles, dry the bottles out by exposing the bottles to air with the cap open. The bottles may be recycled once completely dried.

### Storage

**Ecocoat EZ** is storage-stable for at least 12 months in originally sealed containers. Opened bottles should be stored properly and used up as soon as possible.

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