

TECHNICAL DATA SHEET

IGL Coatings™ Ecocoat Eclipse

Material no.

Specification

Version

154313

Revision date

10.06.2019



IGL COATINGS ECOCOAT ECLIPSE

A HIGH CHEMICAL RESISTANT COATING SYSTEM FOR HYDRO AND OLEOPHOBIC TREATMENT OF PAINTS (ALKYD, ACRYLIC, POLYURETHANES, EPOXIES).

DESCRIPTION

ecocoat eclipse is a user-friendly ceramic coating system for almost all types of paints surfaces. **ecocoat eclipse** is high solids, micro-marring resistant, outstanding weathering resistance and excellent finish quality coating system. The consumption of the product will depend on the application method, approximately 1-5 ml/m² is sufficient for most applications.

Technical data

Property	Value	Method
Flash point	-10°C	DIN 51755
Boiling point	83°C	DIN 51755
Specific Gravity	0.97 (at 20°C)	DIN 51757

Applications

Treatment of industrial paints.

Processing

- Do not apply the product at temperature below 5°C (41°F).
- Do not expose the surfaces to be treated to direct sunlight.
- 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 products bonds with the surface.

Step 1: Cleaning the surface

- The temperature during application should be in the range of 5-50°C (41-104°F), **preferably 20-26°C (68-78.8°F)**.
- In order to permit sufficient chemical bonding of **ecocoat eclipse** to the substrate, the surfaces must be carefully cleaned of all contaminants before the application. The long-term stability and abrasion resistance of the coating depends on how well **ecocoat eclipse** has chemically bonded with the surface.
- It is highly recommended to polish the surface with an abrasive system to remove all hard bearing contaminations 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 multi** or **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

- Avoid exposing the surface to direct sunlight during application.
- Place a few drops of **ecocoat eclipse** on an applicator cloth and apply in a vertical direction.
- Apply the product lightly on the surface in a 3x3 feet area, in a vertical (up and down) then horizontal (left and right) motion.
- Always ensure the areas coated are overlapping.
- Allow coating to cure for 2 hours (5-50°C or 41-122°F) or 1 hour (60°C or 140°F) then apply **ecocoat eclipse** with the same procedures but with reduced wait time of 0.5-2 minutes.

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Important Note: Ecocoat Eclipse is a wipe on and leave formulation. There is no need to buff or level off the application.

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 minutes.

- Air dry the coated surface after application for approximately 4 hours and avoid contact with water.
- Fully-cured coated surface will be able to withstand at least 500 hours of salt spray test.

Curing Time

- The coating will be ready to be layered as follows:
 - 2 hours (5-50°C); or
 - 1 hour (60°C); or
 - 15 minutes (infrared short wave); or
 - 15-20 minutes (infrared medium wave).

Important Note: Longest interlayer duration is 12 hours.

- 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.

Cleaning and Maintenance

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

Safety and handling

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

Disposal:

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

Storage

ecocoat eclipse is storage-stable for at least 12 months in originally sealed containers. Opened bottles should be used within 6 months.

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