

TECHNICAL DATA SHEET

IGL Coatings™ Ecocoat Bike

Material no.

Specification

154315

Revision date

-

Version

1.00

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14.02.2018

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IGL COATINGS ECOCOAT BIKE

a coating system for hydro and oleophobic treatment of paints (alkyd, acrylic, polyurethanes, epoxies).

Description

ecocoat bike is a user-friendly coating system for almost all types of paints surfaces. **ecocoat bike** is high solids, ultra scratch-resistant, long-term gloss retention, outstanding weathering resistance and excellent finish quality coating system. The consumption of the solution depends on the application method, mostly about 1-5 ml/m² are sufficient.

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

Application

Treatment of all types of paints, metals and plastics.

Processing

- Do **NOT** apply the product at temperature below 5°C (41°F).
- Do **NOT** expose surfaces to be treated to sunlight prior or during application. Ensure that the surface is cool and not hot.
- Ensure adequate ventilation and fresh air is available in the working area during application of the coating.
- If the surface area was previously treated to a different coating system prior to this application, proper removal with a polishing agent is necessary to ensure correct application of the coating.

Step 1: Cleaning the surface

- Before application ensure that the surface is clean.
- The temperature during application should be in the range of 5-40°C (41-104°F), **preferably between 20-26°C (68-78.8°F)**.
- To ensure sufficient chemical bonding of **ecocoat bike** to the surface, the surfaces must be carefully cleaned of all contaminants before application. The long-term stability and abrasion resistance of the coating depends on how well **ecocoat bike** has chemically bonded with the surface.
- It is highly recommended to polish the surface with an abrasive to remove all hard bearing contamination.
- Additionally, ensure elimination of iron fouling by cleaning with **ecoclean iron**.
- Wash off residues and dry thoroughly before degreasing with appropriate substrate cleaner or **ecoclean precoat**. Wash the surface again with water to ensure proper removal of any leftover film on surface. Use of a tack cloth/rag is recommended.
- Ensure that all coating residues are thoroughly washed away and the surface is dried before degreasing with **ecoclean precoat**.
- Re-wash the surface with water to ensure proper removal of any leftover film on surface. It is recommended to use a tack rag/cloth for removal.
- The degreasing ensures a completely clean and reactive paint surface.
- The surface should be coated immediately after the surface is cleaned and dried to prevent contamination.

Step 2: Treatment process

- Avoid direct exposure to direct sunlight during application.
- Place a few drops of **ecocoat bike** on the provided microfiber application cloth in a vertical direction.
- Apply the coating lightly on the surface in a vertical (up and down) then horizontal (left to right) motion. Apply the coating lightly vertically then horizontally motion, always ensuring an overlapping coated area.
- Wait for about 2-5 minutes (or when there is a small resistance in buffing) then buff off with a clean dry microfiber cloth.
- Allow coating to cure for 2 hours (5-50°C or 41-122°F) or 1 hour (60°C or 140°F) then apply a second layer.

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Important Note: Do not let the film dry sporadically. If it dries within 2 hours, the film can be removed with a small amount of **ecocoat bike**. If it has been allowed to harden for more than 12 hours, it will need to be polished off and reapplied.

- The hydrophobic effect can generally be seen depending on the surface, reactivity and temperature after its initial curing stage and is further enhanced after a few minutes.
- After application the coating should be air-dried for about 4 hour and avoid water contact.

Curing Time

- The applied coating will be ready to be buffed off in 2-5 minutes after application.
- The coating will be ready for layering as follows:
 - 2 hours (5-50°C or 41-122°F); or
 - 1 hour (60°C or 140°F); or
 - 15 minutes (infrared short wave); or
 - 15-20 minutes (infrared long 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 shampoo, all purpose cleaner or anything containing caustic soda. **This will damage the hydrophobic properties.**
- The coated surface can be washed with just normal water during this period.
- **ecocoat premier** can be applied to **ecocoat bike** coated surface to prevent formation of waterspots during the 3-5 days full curing period.

Cleaning and Maintenance

Surfaces coated with **ecocoat bike** 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 bike**.

Safety and handling

Before considering the use of IGL Coatings products please read its Material Safety Data Sheet (MSDS) thoroughly for your safety and toxicological data as well for information on proper transportation, storage and use. The Material Safety Data Sheet is available upon request via email from sales@iglcoatings.com.

Disposal

The product residue remaining in incompletely emptied flasks may be disposed of only by bringing it to the municipal collection point for hazardous waste. For proper disposal of completely emptied flasks, first dry them out by exposing them to fresh air. Once dry, they may be safely recycled.

Packaging and storage

ecocoat bike is delivered in glass bottles (10ml).

ecocoat bike is storage-stable for at least 12 months in originally sealed containers. Any opened bottles should be used within 6 months from the date of opening.

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