

TECHNICAL DATA SHEET

IGL Coatings™ Ecocoat BBQ



Material no. **154311** Revision date **11.06.2019**
Version **1.14**

IGL COATINGS ECOCOAT BBQ

A COATING SYSTEM FOR HYDRO AND OLEOPHOBIC TREATMENT OF ALLOY AND METAL ON BBQ EQUIPMENT.

DESCRIPTION

ecocoat bbq is a user-friendly coating system for alloy and metal surfaces on BBQ equipment. **ecocoat bbq** is high solids, high heat resistance, stain resistant, micro-marring resistant, long-term gloss retention, outstanding weathering resistance and excellent finish quality ceramic 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	-11°C	DIN 51755
Boiling point	84°C	DIN 51755
Specific Gravity	0.97 (at 20°C)	DIN 51757

Applications

Treatment of alloy and metal surfaces.

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 or 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 ceramic coating system, proper removal, preferably with a polishing agent is important to ensure that the products bonds with the surface.
- **Caution: ecocoat BBQ 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 bbq** to the substrate, the surface must be carefully cleaned of all contaminants before the application. The long-term stability and abrasion resistance of the ceramic coating depends on how well **ecocoat bbq** 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

- Keep the mixture unstirred.
- Place a few drops of **ecocoat bbq** 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) then horizontal (left to right) motion.
- Always ensure the areas coated are overlapping.

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- Wait for about 2-5 minutes (or when there is a small resistance in buffing) then buff off with a clean dry IGL Microfiber Cloth.
- Allow coating to cure for 2 hours (5-50°C or 41-122°F) or 1 hour (60°C or 140°F) and then apply a second layer and buff off after 2-5 minutes (or when there is a small resistance in buffing)

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 bbq**. If it has been allowed to harden 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 minutes.
- Air dry the coated surface after application for approximately 4 hours and avoid contact with water.

Curing Time

- The applied coating will be ready to be buffed off in 2-5 minutes.
- 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 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 harsh shampoos, all-purpose cleaners or products 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 bbq** 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 bbq**.

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

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