

# TECHNICAL DATA SHEET

## IGL Coatings™ Ecoshine Renew F4



Material no. **154321** Revision date **30.12.2019**  
Version **1.10**

### IGL COATINGS ECOSHINE RENEW F4

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

#### DESCRIPTION

**Ecoshine renew f4** is a user-friendly low VOC paint renewal and coating system for almost all types of paints surfaces. **Ecoshine renew f4** is solvent-based, long-term gloss retention, high smoothness, outstanding weathering resistance and excellent finish quality coating system. 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	Would not flash	DIN 51755
Boiling point	Not applicable	DIN 51755
Specific Gravity	1 (at 20°C)	DIN 51757

#### Applications

Treatment of automotive, marine and aviation paints.

#### Processing

- Do not apply the product at temperatures below 5°C (41°F).
- Do not expose the surfaces to be treated to direct sunlight prior 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 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 5-40°C (41-104°F), **preferably 20-26°C (68-78.8°F)**.
- In order to permit sufficient chemical bonding of **ecoshine renew f4** to the substrate, the surface must be carefully cleaned of all contaminants before the application. The long-term stability and abrasion resistance of the coating depends on how well **ecocshine renew f4** 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

- Shake ecoshine renew f4 before use.
- Drip some **ecoshine renew f4** onto a clean dry IGL Microfiber Cloth.
- Apply the product lightly on the surface in a 3x3 feet area, in a circular motion.
- Always ensure the areas coated are overlapping. Do this for the entire vehicle. This should take about 30 min
- After 3 minutes, the crosslinking process will begin.
- Allow the coating to cure for 30 minutes (5-50°C or 41-122°F), then apply a second layer and polish until the haze disappears.
- The hydrophobic and smooth 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.

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### Curing Time

- The applied coating will be ready to be layered in 30 minutes (5-50°C or 41-122°F).

### Cleaning and Maintenance

Surfaces coated with **ecoshine renew f4** 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 **ecoshine renew f4**.

### 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](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 split material and runoff and contact with soil, waterways, drains and sewers.

### Storage

**Ecoshine renew f4** is storage-stable for at least 12 months in originally sealed containers.

Opened bottles should be used within 6 months.

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