TECHNICAL DATA SHEET
IGL COATINGS™ ECOCOAT QUARTZ

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

Description
ecocoat quartz is a user-friendly and VOC-free ceramic coating system for almost all types of painted surfaces. **ecocoat quartz** is high solids, micro-marring resistance, 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/m^2 is sufficient for most applications.

Technical Data

Property	Value	Method
Flash point	>70°C	DIN 51755
Boiling point	180-220°C	DIN 51755
Specific Gravity	1 (at 20°C)	DIN 51757

Applications
Treatment of all types of painted 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.
- 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 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 quartz** 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 quartz** 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 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 quartz** 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.

- Wait for about 5-10 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 5-10 minutes with a clean dry IGL Microfiber Cloth.
  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 quartz. 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 hours.
- 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 5-10 minutes.
- The coating will be ready to be layered 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 medium wave).

  Important Note: The 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.
- **ecocoat premier** can be applied on the surface coated with **ecocoat quartz** to prevent the formation of water spots during the 3-5 days full curing period.

Cleaning and Maintenance

Surfaces coated with **ecocoat quartz** should be cleaned with cleaners in the pH range of 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 quartz.**

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.

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 quartz 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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