Coating Precautions

1. Do not use the product until you have read the instructions for use provided in the catalogue.
2. Do not perform coating at temperatures of 5℃ or lower, at humidity levels 85% or higher, or when condensation is present on the surface.
3. Thoroughly degrease surfaces before coating.

Expiration Date and Precautions on Storage

1. The expiration date following shipment from our company (before opening) is three months for the paint. Once opened, use the product as quickly as possible.
2. To store leftover paint, return to the original container or place sealed inside a rustproof container.
3. Do not store at temperatures of 5℃ or below. Freezing will change the properties of the paint and render it unusable.
4. Keep containers tightly sealed. Store in compliance with applicable regulations.
5. Keep out of reach of children.

Precautions on Safety and Sanitation

» Precautions for Use

1. Keep your face away from the container when opening it.
2. Handle with care. Damaged containers pose risk of contamination or fire. Keep containers upright during transportation and storage. Do not place on side or upside down.
3. Install local ventilation systems in places where the products are handled.
4. Take care to avoid direct contact between the product and skin during handling. Wear protective gloves, protective clothing, eye protection, and face protection.
5. Wash coating machines and tools with water as soon as painting processes are complete. Use a washing thinner if the paint has hardened.
6. Wash hands and rinse mouth and throat thoroughly after handling.
7. Do not eat, drink, or smoke when using this product.

» First Aid Measures

1. If on skin or in hair, immediately remove all clothing contaminated with paint and wash with plenty of soap and water. Seek medical attention if you feel pain or notice any injuries.
2. If in eyes, rinse with plenty of water. Get immediate medical attention.
3. If inhaled and feeling unwell, remove the person to fresh air and place at rest. Get medical attention, if necessary.
4. If swallowed, get immediate medical attention.

» Disposal

1. Empty the containers completely before disposal.
2. Dispose of contents/containers as industrial waste in accordance with local/regional/national regulations.
3. Dispose of coating materials, coating containers, and coating tools as industrial waste.

» Other

1. Refer to the product Safety Data Sheet (SDS) for more information.
2. This product is designed for indoor applications. Do not use outdoors or in locations exposed to direct sunlight for extended periods.

Please contact us for more information.
TEL: +81-493-26-0781 FAX: +81-493-26-0786 Online contact form: www.edog.co.jp/inquiry

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Eco-friendly
Water-based Paint
Antistatic Paint

1-Part Acrylic Resin Room-Temperature Curing

Water-Based Antistatic Paint

EAQ

As clear and Earth-friendly as water

EAQ is a water-based antistatic paint that features exceptional total light transmittance and low haze value.
It imparts long-lasting ESD protection to your products while preserving their aesthetic qualities.
EAQ's ESD protection will add value to your products, and its high environmental sustainability will contribute to a safer, cleaner future.

EDOGAWA GOSEI

Features

1. Effective Antistatic Functionality and Excellent Transparency

EAQ paint excels in total light transmittance while offering anti-static functionality. Give your final products that extra edge with the benefits of ESD* protection and enhanced design aesthetics.

*ESD: Electro Static Discharge

2. A water-based paint friendly to the environment and humans

Offering high environmental sustainability, EAQ is based on a careful consideration of the impact of our products on the environment and on humans.

3. Outstanding Adhesion

EAQ exhibits exceptional adhesion to various plastic materials, including PC (polycarbonate), acrylic, and A-PET.

4. High Convenience

EAQ requires no dilution, and comes ready to use.

Note: Photo for illustrative purposes only

Eco-friendly

Our Commitment to Environmental Sustainability

- **Earth-Friendly Approach**
  EAQ is formulated with significantly reduced VOC* levels, attesting to our commitment to environmental preservation.
  * VOC : Volatile Organic Compounds
- **Work Environment Consideration**
  EAQ reduces worries about the odors and toxicity of organic solvents, contributing to a safe and user-friendly working environment.
- **Storage Environment Consideration**
  EAQ is not classified as a flammable hazardous materials, thus simplifies simplifying both handling and management.

Intended Use

Antistatic Coating for Transparent Plastic Products

Electronics Manufacturing / Interior Design / Medical Device Manufacturing / Spatial Design & Event Services / and more

Hue

Clear

Coating Thickness	Total light transmittance	Haze value
1 µm	98 %	0.3
2 µm	97 %	0.5
3 µm	96 %	0.8

Test Material: PC sheet (TAKIRON)

Drying Conditions: 60°C for 15 minutes, followed by 24 hours at room temperature

Note: Figures for total light transmittance and haze value exclude values corresponding to the base material.

Note: Actual appearance may differ slightly due to printing conditions.

Volume

EAQ: 16kg / 3kg / 800g

Instructions for Use

1. Pretreatment

Make sure the surface of the substrate is thoroughly degreased and adequately prepared.

2. Agitation

Conductive agents may settle. Agitate the product thoroughly before use.

3. Dilution and Mixing

The product is pre-diluted and can be used as is.

4. Filtration

Always filter the paint through Yoshino paper or other filtering materials to remove bubbles, dust, and other foreign particles.

5. Application (spray coating)

Air pressure	0.05-0.3 MPa	Nozzle diameter	1.0–1.3 mm	Standard coat thickness	1-3 µm	Coverage	50 g/m²

Note: The surface resistivity of the coating may vary depending on coat thickness, therefore please ensure to control coat thickness appropriately.

6. Drying and Curing

Dry to the touch	25°C×30 min.	Hardened and cured	25°C×8 hours	Forced curing	40-60°C×15 min.

Coat Performance

Results of Coat Performance Tests

Test Items	Results	Test Conditions	Materials
Adhesion	100/100	Adhesion Cross-cut test with adhesive tape	PC plate (TAKIRON)
	100/100		PC plate (lupilon)
	100/100		Acrylic plate
	100/100		A-PET plate
Pencil Hardness	B	Pencil hardness tester (Load: 1 kg)	PC plate (TAKIRON)
Conductivity	$10^8\,\Omega$	Surface resistance measurement (2-point probe; load: 1 kg; multimeter)	
Total light transmittance	97 %	Haze meter measurement	
Haze value	0.5	Haze meter measurement	
Solvent resistance	No material exposed	IPA rubbing (load: 500 g, 30 cycles or more)	

Painting procedure: Spray application

Coating thickness: 2 µm

Drying conditions: Dry at 60°C for 15 minutes, followed by 24 hours at room temperature

Note: The results of testing on various resistance characteristics are based our in-house evaluations. They do not constitute a guarantee of product quality or performance.