

POM PRIMER

Coating Precautions

1. Do not use the product until you have read the instructions for use provided in the catalogue.
2. Thoroughly degrease surfaces before coating.
3. Certain types of paint may not ensure adequate adhesion between layers. Be sure to verify before use.

Expiration Date and Precautions on Storage

1. The expiration date following shipment from our company (before opening) is six months for the paint. Once opened, use the product as quickly as possible.
2. Avoid exposure to direct sunlight. Keep dry. Store in a cool, dark, and well-ventilated place at temperatures below 40 ° C. Keep products locked (in hazardous materials storage).
3. Keep containers tightly sealed. Store in compliance with applicable regulations.
4. 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. Do not use near flames or sources of ignition.
4. Install local ventilation systems in places where the products are handled.
5. Take care to avoid direct contact between the product and skin during handling. Wear protective gloves, protective clothing, eye protection, and face protection.
6. In case of spillage, scatter sand or other inert materials over the spill and collect.
7. Wash hands and rinse mouth and throat thoroughly after handling.
8. 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.

» Firefighting Measures

1. In case of fire, use fire extinguishing agents or dry sand to extinguish.

» 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.

Note : The contents of the present catalog are subject to change without notice.

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

Note : Unauthorized reproduction or use of the contents, texts, or images in the present catalog is strictly prohibited.

Note : All product names featured in this catalog are the trademarks or registered trademarks of their respective companies.

Please contact us for more information.

TEL: +81-493-26-0781

FAX: +81-493-26-0786

Online contact form: www.edog.co.jp/inquiry



EDOGAWA GOSEI CO., LTD.

84-2 Shingo, Higashimatsuyama-shi, Saitama, 355-0071
www.edog.co.jp

1-Part

Polyolefin resin

Room-Temperature Curing

Specialty Primer

POM PRIMER

POM PRIMER is a primer that exhibits excellent adhesion to POM (polyoxymethylene/polyacetal).

It also adheres securely to PP (polypropylene), even without flame treatment.

Designed for use with our topcoat paints,

this innovative coating solution enhances the functionality and aesthetic appeal of finished products.

Together, these properties as well as its suitability for low-adhesion materials,
greatly expand the range of potential uses and compatible materials.



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Features

Outstanding Adhesion

POM PRIMER confers excellent adhesion to POM and PP resin molded products.

High Convenience

POM PRIMER requires no dilution, and comes ready to use.

Enhanced Aesthetic Appeal

Applying “ER,” a two-component acrylic urethane resin paint, on POM PRIMER results in significantly enhanced aesthetic appeal.

Enhanced Functionality

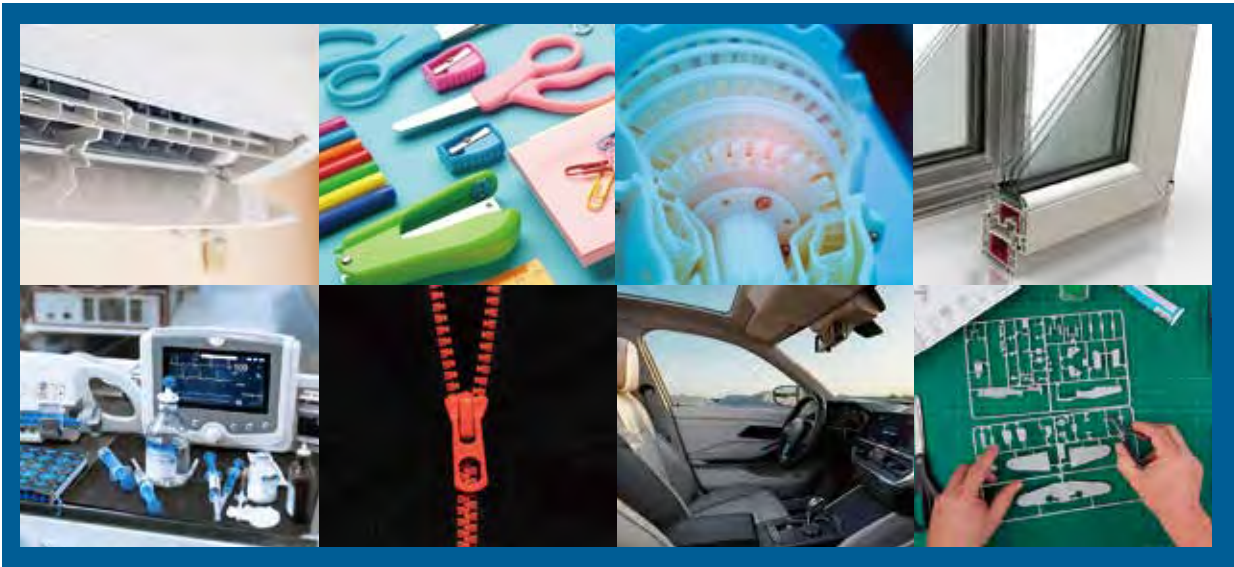
Applying “EAU,” a two-component acrylic urethane resin paint, on POM PRIMER confers antistatic properties.

CAUTION : To achieve good adhesion, be sure to use our specified topcoat paint.
Adhesion can vary, depending on material molding and painting conditions.
Be sure to confirm before actual use.

Intended Use

Primer for POM, PP, and Other Low-Adhesion Resins

Home appliances / Electronics / Automotive interior parts / Stationery and miscellaneous goods / Furniture components / Models / Clothing materials / Medical devices, and more.



Note: Photo for illustrative purposes only

Hue

Clear

Volume

POM PRIMER : 14kg / 3kg

Instructions for Use

1. Pretreatment

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

2. Agitation

Agitate the coating material thoroughly before dilution.

3. Dilution and Mixing

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

4. Application (spray coating)

Air pressure	0.3-0.5 MPa	Nozzle diameter	1.2~1.5 mm	Standard coat thickness	3-8 μm	Coverage	90 g/m ²
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5. Drying and Curing

Room-Temperature Curing	Dry to the touch	25°C×20-25 min.
	Hardened and cured	6-8 hours

Note : Make sure drying conditions after the top coat are consistent with the top coat temperature requirements.
Note : Only PP can be force-cured (60°C for 10-15 minutes or 80°C for 5-10 minutes).

Coat Performance

Results of Coat Performance Tests

Test Items	Results	Test Conditions	Materials
Adhesion	100/100	Cross-cut test with adhesive tape	POM plate
Pencil Hardness	HB	Film Hardness Tester using Mitsubishi UNI pencils (1 kg load)	
Water Resistance	100/100	Pure Water at 40°C for 120 Hours and allowed to stand at room temperature for 24 hours Secondary Adhesion	
Moisture Resistance	100/100	Humidity resistance test equipment (60°C× 95 %RH for 120 Hours and allowed to stand at room temperature for 24 hours Secondary Adhesion)	
Heat Resistance	100/100	Thermal Chamber (80°C for 120 Hours and allowed to stand at room temperature for 24 hours Secondary Adhesion)	
Acid Resistance	No abnormality	5 % HCl (immersed for 24 hours at 25°C and allowed to stand at room temperature for 24 hours before visual inspection)	
Alkali Resistance	No abnormality	5 % NaOH (immersed for 24 hours at 25°C and allowed to stand at room temperature for 24 hours before visual inspection)	

Note : Test plate preparation conditions
Under coat : POM primer (Coat thickness 5 μm , Setting time 20 minutes at room temperature)
Top coat : ER 901 White (Coat thickness 25 μm , Curing at room temperature for 7 days)