

## Coating Precautions

1. Do not use the product until you have read the instructions for use provided in the catalogue.
2. Using thinner products other than those specified by our company may result in decreased workability or failure to achieve the specified performance.
3. Thoroughly degrease object surfaces before coating.
4. Use thinners as quickly as possible once they are diluted.

## Expiration Date and Precautions on Storage

1. The expiration date following shipment from our company (before opening) is three months for the paint and one year for the thinner. Once opened, use the products 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 on 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. The present product is designed for indoor applications. Refrain from use outdoors or in places 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 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.

**Please contact us for more information.**

TEL: +81-493-26-0781

FAX: +81-493-26-0786

Online contact form: [www.edog.co.jp/inquiry](http://www.edog.co.jp/inquiry)

1-Part

Modified Epoxy Resin

Baking

Lubricating Paint

# LUBRI-ONE

**This eco-conscious lubricating paint features high slidability.**

**This paint can be applied to machine parts to allow smooth movement, even without lubricant.**

**It also suppresses squeaking/noise and friction between parts.**

**This product complies with the REACH regulations on PFOA (perfluorooctanoic acid) effective July 4, 2020, which limits concentrations of PFOA, a restricted substance, to 25 ppb.**



EDOGAWA GOSEI



EDOGAWA GOSEI CO., LTD.

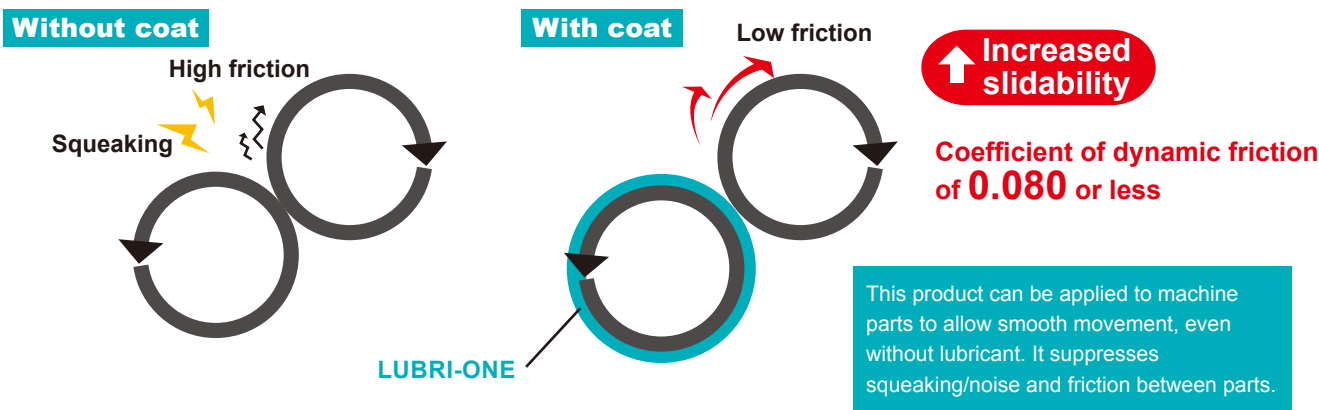
84-2 Shingo, Higashimatsuyama-shi, Saitama, 355-0071

[www.edog.co.jp](http://www.edog.co.jp)

Features

Superior lubricating properties

The high lubricity achieved through our unique blending technologies suppresses the coefficient of dynamic friction to 0.080 or less for smoothly operating machine parts.



Caring the environment

In response to ever more rigorous environmental regulations, current trends in market demand, and bioaccumulation concerns, this product achieves PFOA (perfluorooctanoic acid) concentrations of less than 25 ppb.

High abrasion resistance, adhesion, and hiding power

This product creates a hard film for superior abrasion resistance and offers excellent adhesion to a range of materials. It also provides high hiding power for an aesthetically appealing finish.

Supporting maintenance-free operations

As a dry film lubricant, the product eliminates the need for grease and lubricants. It's ideal for use on parts that are relatively difficult to access for lubricant reapplication.

Workplace-friendly baking temperature

The lubricant film is produced by baking for 20 minutes at 180 °C to 30 minutes at 150 °C. The product is designed to be both cost effective and workplace friendly.

Intended Use

Conferring slidability to various metal products

Color

802 Black

Volume

16 kg / 4 kg

Note : Please contact our sales representative if you wish to customize the appearance of or require additional functions from the lubricant film.

Specialized thinners

Thinner 3200 S: 16 L / 3.8 L

Instructions for Use

1. Pretreatment

Thoroughly degrease the surface before applying the epoxy resin.

2. Agitation

Agitate the coating material thoroughly before dilution.

3. Dilution and Mixing

The mixing ratio is paint : thinner = 10:5-10. Use Thinner 3200S. Measure precisely to adjust the mixing ratio by weight.

4. Sieving

Always sieve paint to remove bubbles, dust, and other foreign particles using Yoshino paper or other sieving materials.

5. Application (spray coating)

When applying paint by spraying, apply two to three layers of coats under the conditions indicated below.

|                         |                             |
|-------------------------|-----------------------------|
| Air pressure            | 0.1-0.5 MPa                 |
| Nozzle diameter         | 1.0-1.5 mm                  |
| Standard coat thickness | 8-15 μm                     |
| Coverage                | Approx. 70 g/m <sup>2</sup> |

Note : Please contact our sales representative if you need a primer.

6. Drying and Curing

|        |   |
|--------|---|
| Baking | 20 minutes × 180 °C to 30 minutes ×150 °C (surface temperature) |
|--------|---|

Note : When baking, allow a setting time of 10-15 minutes after application at room temperature.

Coat Performance

Results of Coat Performance Tests

| Test Items                      | Results             | Test Conditions  | Materials                         |
|---------------------------------|---------------------|--|-----------------------------------|
| Coefficient of dynamic friction | 0.050               | Friction abrasion tester (testing head size: φ10 mm; 100 g load)   | SPCC-SD steel plate               |
| Adhesion                        | 100/100             | Cross-cut test with adhesive tape  | Bonderized steel sheet            |
|                                 |                     |  | Zinc phosphate coated steel sheet |
|                                 |                     |  | Aluminum (A1050P)                 |
|                                 |                     |  | Aluminum (A5052P)                 |
|                                 |                     |  | Stainless steel (SUS304)          |
|                                 |                     |  | Stainless steel (SUS316)          |
|                                 |                     |  | Stainless steel (SUS430)          |
| Pencil Hardness                 | 3H                  | Film Hardness Tester using Mitsubishi UNI pencils (1 kg load)  | SPCC-SD steel plate               |
| Erichsen value                  | No abnormality      | Erichsen tester (φ20 mm × 6 mm extrusion)  |                                   |
| Impact resistance               |                     | DuPont impact tester (φ1/2 inch × 500 g × 30 cm)   |                                   |
| Solvent resistance              | No material exposed | MEK rubbing (500 g load, 50 rubbing cycles)  |                                   |
|                                 |                     | Thinner rubbing (500 g load, 50 rubbing cycles)  |                                   |
| Saltwater resistance            | ≤ 1 mm              | Saltwater spray tester (5% NaCl aqueous solution at 35 °C and 95 % relative humidity for 240 hours; confirmation of the width of corroded region in cut section) |                                   |

Note : Curing conditions for test sheets: dried at 170 °C for 20 minutes, then allowed to stand at room temperature for 24 hours