

### Coating Precautions

1. Do not use the product until you have read the instructions for use provided in the catalogue.
2. Inhalation of or skin contact with the product may result in skin irritation/rash, intoxication, or other health hazards.
3. Handle with care. Use in the presence of ignition sources may result in dust explosions.

### Expiration Date and Precautions on Storage

1. The expiration date following shipment from our company (before opening) is six months for paint.
2. To store leftover paint, place in a polyethylene bag and keep the bag tightly closed with a rubber band to protect from moisture.
3. Protect from sunlight and keep dry. Store the product in a cool, dark, well-ventilated location. Maintain temperatures at 35 °C or below.
4. Do not place containers/bags directly on the floor. Place on pallets, etc. Do not stack more than four cases.
5. Due to the nature of powder paints, high temperature, high humidity, and excessive loads may result in clumping. Store powder paint products under suitable conditions.

### Precautions on Safety and Sanitation

#### » Precautions on Use

1. Install local ventilation systems in places where the products are handled.
2. Keep the area well-ventilated and avoid inhaling dust during painting and drying processes.
3. Take care to avoid direct contact between the product and skin during handling. Wear a dustproof mask, protective gloves, protective clothing, eye protection, and apron.
4. Thoroughly wash and rinse mouth and throat after handling.
5. Although powder paint is not a designated hazardous substance under the Fire Service Act, the material is flammable.
6. Although the risk of ignition of this product is minimal compared to solvent paints, care must be taken to prevent dust explosion. Take appropriate measures to keep dust concentrations low, and pay close attention to poor grounding and any ignition sources.

#### » 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 containers completely before disposing of their contents. Separate bags from the outer box. Consign disposal to industrial waste disposal facilities.
2. Consign the disposal of collected dust to industrial waste disposal facilities.

#### » Other

Refer to the product Safety Data Sheet (SDS) for more information.

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.

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## Powder Paint series

# REGARD

REGARD—powder paint  
based on strong environmental sustainability  
to reduce environmental loads



EDOGAWA GOSEI

# We offer our REGARD powder paint series to help strengthen your corporate value by promoting SDGs activities.

## What is REGARD?

### Product concept : Consideration

Our goal is to strengthen our customer's corporate value based on consideration of the environment, people, and product characteristics. These aspirations drove our efforts to create EDOGAWA GOSEI's REGARD line of powder paint series.

### Environment

#### Consideration of the entire globe

The powder paints in the REGARD Series are entirely organic solvent free. These environmentally conscious paints reduce VOCs\* generated during operational processes to close to zero. On top of that, they create safe workplace environments during processes involving painting. Our paints are also reusable, which means resources can be used more effectively. Further, our containers (drums and IBCs) can also be recycled.

\*VOCs: volatile organic compounds



### People

#### Consideration of the working environment of paint and coating workers

The REGARD powder paints eliminate defects such as sagging and bubbling, thus do not require skilled spray workers for application. Their high throwing power allows the formation of thick coats with a single application, making them perfect for automation and energy-saving systems. They also help in controlling quality and work processes as they require no mixing and viscosity adjustment, which can rationalize the entire painting process. REGARD paint is organic solvent free and worker-friendly.



### Products

#### Consideration for finished products

By using high molecular weight resin, REGARD products offer excellent physical strength, chemical resistance, corrosion resistance, and weatherability. Thick coats offer higher performance. The products in the REGARD series can be customized to meet specific requirements for electrical conductivity, antiseptic property, or cutting oil resistance. This flexibility in customization will improve the value of your finished products.



## REGARD—powder paint based on strong environmental sustainability to reduce environmental loads

Note : Photos for illustrative purposes only.

## Products in the Powder Paint series

		REGARD RE	REGARD RP	REGARD RH	REGARD RC
Volume	15 kg				
Standard coat thickness	60 ± 10 μm				60 ± 20 μm
Curing type	Standard temperature curing type/Low temperature curing type				Standard temperature curing type
Color	For custom colors, please contact our sales representative.				
Resin	Epoxy Resin	Polyester Resin	Epoxy Polyester Resin	Epoxy Polyester Resin	
Optimal baking temperature (Substrate temperature)	Standard temperature curing type	170 °C×20 min.	180 °C×20 min.	170 °C×20 min.	170 °C×20 min.
	Low temperature curing type	150 °C×20 min.	165 °C×20 min.	145 °C×20 min.	-
Features	Hick coat Corrosion resistance Chemical resistance	Weatherability Corrosion resistance Recoatibility	Corrosion resistance Chemical resistance Recoatibility	<b>Antistatic Powder Paint</b> Conductivity Corrosion resistance Chemical resistance	
Intended Use	Electrical appliances, Metal products, etc.	General outdoor applications, Home electrical appliances, Metal products, etc.	General indoor applications, Electrical appliances, Metal products, etc.	Semiconductor manufacturing equipment, Cleanroom interiors, Precision instruments, Metal products, etc.	

\* Overbaking may result in coating discoloration. Underbaking will impair characteristics.

## Coat Performance

Test Items	Results				Test conditions
	REGARD RE	REGARD RP	REGARD RH	REGARD RC	
Pencil Hardness	H	F-H	F-H	H	Film hardness tester using Mitsubishi UNI pencils
Adhesion	100/100	100/100	100/100	100/100	Cross-cut test with adhesive tape
Impact resistance	No abnormality	No abnormality	No abnormality	No abnormality	DuPont impact tester (φ1/2 inch×500 g×50 cm)
Erichsen value	7 mm ≤	7 mm ≤	7 mm ≤	7 mm ≤	Erichsen tester (φ20 mm)
Humidity resistance	No abnormality	No abnormality	No abnormality	No abnormality	Humidity resistance tester (exposed to 98 % RH at 50 °C for 300 hours before visual inspection)
Saltwater resistance	1 mm ≥	2 mm ≥	2 mm ≥	2 mm ≥	Saltwater spray tester (500 hours; confirmation of the width of corroded region in cut section)
Acid resistance	No abnormality	No abnormality	No abnormality	No abnormality	5 %H <sub>2</sub> SO <sub>4</sub> (immersed for 240 hours at 20 °C before visual inspection)
Alkali resistance					5 %NaOH (immersed for 240 hours at 20 °C before visual inspection)

\* Test sheet : Zinc phosphate coated steel sheet

\* Curing conditions for test sheets : Standard baking temperature for each type of product