

Features

Remarkable Coating Hardness and Abrasion Resistance

1. Super-fast curing

Offers remarkably fast curing for enhanced workability and production efficiency.

2. Low temperature curing

Curing doesn't require high temperature heating; compatible with various materials, including thermosensitive substrates.

Also effective in reducing CO₂ emissions during the drying and curing processes.

3. High leveling properties for coatings with high cross-linked density

Produces a thick, aesthetically appealing coating with high hardness and excellent alcohol and chemical resistance.

4. Rapid curing and superb workability

Cures at irradiation energies of 600–800 mJ/cm² with near-zero risk of yellowing.

The pre-diluted product can be used as is, thus reducing work burdens.

Intended use

Containers for cosmetic products; Components of amusement park equipment; Automobiles; Stationery; etc

Color

Clear

Volume

e-UV Speeda Hard : 15Kg

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

4. Sieving

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

5. Application (spray coating)

Air pressure	0.2~0.5MPa
Nozzle diameter	1.0~1.5mmΦ
Standard coat thickness	10~15μm

6. Drying and Curing

IR	60°C×1~2min (40~50°C×2~5min possible)
Curing conditions	600mJ/cm ² or higher

Coat Performance

Test Item	Results	Test Conditions	Materials
Adhesion	100/100	Cross-cut test with adhesive tape	ABS Resin board
Pencil Hardness	6 H	Film Hardness Tester using Mitsubishi UNI pencils (load: 500 g)	
Water resistance	No abnormality	Pure water (immersed for 168 hours at 40°C and left to stand at room temperature for 24 hours before visual inspection)	
Artificial perspiration resistance	No abnormality	Test solution prepared by Method D in JIS L0848(1996) (immersed for 168 hours at 40°C before visual inspection)	
Humidity resistance	No abnormality	Humidity resistance tester (exposed to 90% RH at 40°C for 168 hours left to stand at room temperature for 24 hours before visual inspection)	
	100/100	Humidity resistance tester (exposed to 90% RH at 40°C for 168 hours left to stand at room temperature for 24 hours before secondary adhesion test)	
Alcohol Resistance	No abnormality	95% ethanol (immersed for 2–24 hours at 40°C before visual inspection)	
Solvent resistance	No abnormality	MEK rubbing (wiping test piece 20 times with gauze soaked in MEK)	
Salt Water Corrosion Resistance	No abnormality	5% NaCl solution (immersed for 168 hours at 40°C before visual inspection)	
High temperature resistance	No abnormality	Constant temperature bath (immersed for 168 hours at 40°C and left to stand at room temperature for 24 hours before secondary adhesion test)	
	100/100	Constant temperature bath (immersed for 168 hours at 40°C and left to stand at room temperature for 24 hours before visual inspection)	

Coating Precautions

1. Do not use the product until you have read the instructions for use provided in the catalogue.
2. Use in UV radiation-protected conditions.
3. Degrease the surface completely before application.

Expiration Date and Precautions on Storage

1. The expiration date following shipment from our company (before opening) is six months for paint and one year for thinner. Once opened, use the product as quickly as possible.
2. Protect from sunlight and water. Store in a well-ventilated, cool, dark place at temperatures not exceeding 40°C. Store locked up (in a storage designated for hazardous materials).
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 face away from the container when opening.
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 in the presence of ignition sources.
4. Install local exhaust ventilation systems in locations where products are handled.
5. Be careful 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 spills, scatter sand or other inert materials over the spill and collect to dispose.
7. Thoroughly wash hands and rinse mouth and throat after handling.
8. Avoid eating, drinking, or smoking 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 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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