

Food-Grade Coating for Inside Silo and Tank Protection

YP - 317

COMPLIANT WITH JWVA K 143 WATER QUALITY STANDARD AND STANDARDS FOR FOOD AND FOOD ADDITIVES (NOTIFICATION NO.370, 1959)



YP-317 is a two-component epoxy food grade varnish, with high performance, low odor, and excellent chemical resistance in its category.

Features

Safety

- Conform to JWVA K 143 Water Quality Standard
- Conform to "Specification and Standards for Foods, Food Additives, etc" Ministry of Health and Welfare Notification No.370, 1959
- Certified by Japan Food Research Laboratories

Performance

- High performance paint, low odor and gloss finish
- A tough coating film and a long-term anticorrosion effect can be obtained.
- Excellent water resistant and chemical resistance
- Can be applied in general use and winter use
- 1.5 – 3 times greater than general-purpose epoxy

Economical

- High quality epoxy lining material will last for more than 10 years.
- Applicable with brushes and roller

Use

- Water purification plant water tanks
- Sterilization layers
- Inner ceiling and wall of food silos
- Recommended protection for concrete silos

Colour

Gray



Packing

Set	Main Agent*	Hardener**	Mixing Ratio
15 Kg	12 Kg	3 Kg	Main Agent : Hardener 4 : 1

Main Agent



Hardener



*Main agent = Epoxy Resin

**Hardener = Modified Aliphatic Polyamine

Composition Table

Item		Main Agent		Hardener	
		General Use	Winter Use	General Use	Winter Use
Type					
Appearance		Gray Liquid	Gray Liquid	Light Brown Transparent Liquid	Brown Transparent Liquid
Viscosity	Pa·s (25°C)	18.00	7.90	0.25	0.60
T.I Value	(25°C)	4.20	4.19	-	-
Specific Gravity	(25°C)	1.56	1.56	1.03	1.05

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Composition Table

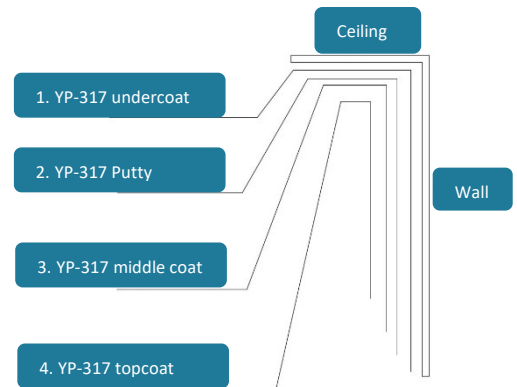
Description	General Use	Winter Use
Usability time	60 minutes	45 minutes
Curability (Wet film thickness 150 μm under 23°C)		
Dry-to-touch	5 hours	3.5 hours
Initial Curing	12 hours	10 hours
Dripping (Under atmosphere of 23°C)	200 μm	250 μm

Best Practice

- Apply the silo epoxy lining YP-317 three times and apply one putty (part)
- The construction order: First layer is undercoat, the second layer Putty, the third layer is middle coat, and fourth layer is topcoat.
- Apply putty to the ceiling, the base repair part, the corner tip, and the place where there are many pinholes and finish it smoothly.

Base Material Adjustment

- Remove latency and fragile parts with a disc sander or tools alike
- If the concrete surface has significant irregularities, smooth the base with cement mortar, resin mortar, etc.
- If the old coating film remains, remove the deteriorated parts and roughen the entire active film.



General Handling Precautions

Formulation

1. As general rule, open the lining can just before using it, and try it to use the opened one on the same day.
2. When mixing, be sure to observe the ratio of Main Agent and Hardener and mix by weighing. Paint immediately after mixing.
3. Mixing with paints of other varieties and product name is strictly prohibited

Safety

1. Keep away from ignition sources such as heat, fireworks, open flames, and high temperature.
2. Do not inhale dust, smoke, gas, mist, vapor, or spray.
3. Use only outdoors or in a well-ventilated place
4. Wash hands and body thoroughly after handling
5. Wear protective equipment (gloves, clothing, goggles and surface) while painting and handling the material.
6. Do not use other than the specified purpose.
7. Avoid release to the environment.

If you have any questions, please contact us.

Emergency Response

1. Use carbon dioxide, foam or powder of fire extinguisher in case of fire.
2. If swallowed, see a doctor immediately
3. If inhaled, move to a place with fresh air, keep comfortable for breathing, and get a doctor's diagnosis
4. If it gets on your skin, remove all contaminated clothing immediately. Rinse the skin with running water or shower.
5. In case of eye contact, wash eyes with plenty of water for a few minutes. Seek medical advice if irritation develop to persist.
6. If skin irritation, eye irritation, exposure or concern of exposure occur, seek medical advice and treatment.

Waste

When disposing of used paints container and paints, such as waste cloth and residual paint, dispose of them as industrial waste in accordance with relevant laws and regulations. Please read the Safety Data Sheet (SDS) for details.

Storage

1. Store in a well-ventilated place and cool place
2. Lock it and keep it safe
3. Keep out of reach of children.

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