

Environmentally Friendly Lining Material for Concrete Silo Internal Wall

YP - 316

COMPLIANT WITH JWVA K 143 WATER QUALITY STANDARD.
FOR FOODS SUCH AS FOODS AND ADDITIVE (CHAPTER 3, D-2)



YP-316 is an excellent epoxy lining material for the internal wall of silo and tank. It is compliant to Japan Water Works Association standard and food safety standard.

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

- A tough coating film and a long-term anticorrosion effect can be obtained. Great protection for concrete silo.
- 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 lining material will last for 10 - 15 years.
- Can be installed 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



Composition Table

Description	Main Agent		Hardener	
	Composition	%	Composition	%
General use	Epoxy resin	50	Denatured Aliphatic Polyamine Resin	100
	Coloring material	48		
	Additive	2		
Winter use	Epoxy resin	55	Denatured Aliphatic Polyamine Resin	100
	Coloring material	43		
	Additive	2		

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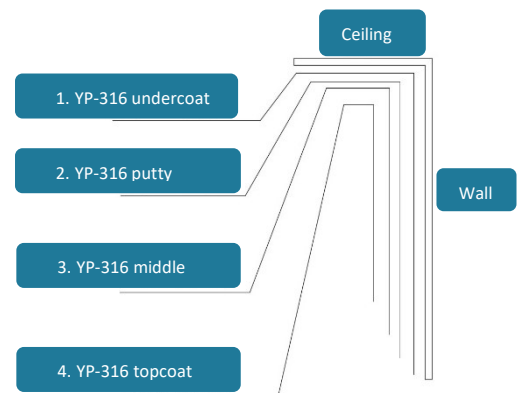
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Best Practice

- Apply the silo epoxy lining YP-316 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
4. Avoid placing the lining material in direct sunlight or in a hot place, and place it in a shaded and well-ventilated place.
5. In order to minimize construction errors and material unevenness such as compounding errors and poor stirring, the same person mixes and stirs thoroughly.

Painting

1. Use protective equipment (helmet, protective goggles, mask, gloves, etc) while painting and handling the paint.
2. Remove scraping and dust by high pressure cleaning before lining application.
3. Make sure the surface moisture content is less than 8%.
4. Ventilate well during painting and drying ensure air flow in the silo or tank.
5. As a general rule, if the temperature is 5°C or less, construction will not be possible.
6. In order to prevent condensation and promote curing, drying curing is performed firmly with a blower, etc after construction.

Emergency Response

1. In case of contact with eyes, wash eyes with plenty of water and see a doctor as soon as possible.
2. If it gets on your skin wash it off with plenty of water and see a doctor as soon as possible if you experience pain or changes in appearance.
3. If swallowed by mistake, see a doctor as soon as possible.
4. If it spills from the container, wipe it off with a cloth, and store the cloth in a container soaked in water.
5. Use carbon dioxide, foam or powder of fire extinguisher in case of fire.

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. Do not dispose of in places that pollute the environment such as river and soil.

Storage

1. Seal the residual paint and store it in a cool and dark place.
2. Keep out of reach of children.
3. Please strictly observe the relevant laws and regulations when storing lining material

If you have any questions, please contact us.

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