

DHDC-3690

Epoxy top coat, high build



This paint is a high-build epoxy two-component top coat that is excellent in adhesion with primer, high build, water resistance, salt water resistance, chemical resistance, solvent resistance and mechanical properties. If exposed to the outside for a long period of time after painting, the color may be changed, or chalking may occur, but the physical properties of the film are not affected. This product is an eco-friendly paint with low VOC content, satisfying ASTM D 5144 and SNE 5144 specifications of protective coating technology criteria for nuclear power plants.

Usage

Top coat for steel and concrete surfaces for nuclear power plants
Finishing top coat for steel structures and concrete surfaces

Specification

Paint type	Epoxy system / top coat / High build (Two-Component)			
Drying time	Category	5°C	20°C	30°C
	Set-to-touch	6 hours	3 hours	2 hours
	Dry-hard	30 hours	18 hours	12 hours
	Over-coat (Min.)	36 hours	22 hours	15 hours
	Maturation time	1 hour	30 minutes	20 minutes
	Pot life	5 hours	3 hours	2 hours
Specific gravity	Approx. 1.4	Solid volume ratio	Approx. 90±1%	
Theoretical Coverage	9.0 m ² /ℓ (1 time - 100μm)	Thickness of dried film	100μm	
Color	White, other colors	Flash point	At least 35°C	
Mixing ratio	Base(A)/Hardener(B)=3/1 (Volume ratio)	Shelf life	12 months (Dry, cool, and dark place with good ventilation)	
Gloss	Glossy			

Product Properties (Physical Property Data)

Epoxy top coat	A two-component epoxy high-build top coat (satisfying the protective coating technology criteria for nuclear power plants)
Excellent film property	Adhesion, water resistance, anti-corrosive properties, solvent resistance, chemical resistance and mechanical properties are excellent.

How to Use

Surface treatment	<ol style="list-style-type: none">1. Completely remove oil, moisture, sand, dust, and other foreign matter from the surface to be coated.2. Sufficiently dry the surface to be coated before coating.3. The welded parts and corners need to be cleaned before coating.
Coating Method	<ol style="list-style-type: none">1. Although coating can be done by either brush or airless spraying, airless spray coating is best.2. Airless spray coating :<ul style="list-style-type: none">- Tip diameter : 0.021"~0.027"- Injection pressure : More than 3000 P.S.I (210kg/㎠)- Store the coating equipment after cleaning with an exclusive thinner immediately after use.
Preceding & Follow-up Coating	<ol style="list-style-type: none">1. Preceding coating: steel - epoxy anti-corrosive paint, epoxy zinc and inorganic zinc primer concrete - epoxy solvent-based clear and permeable clear primer<ul style="list-style-type: none">- Upon coating on the inorganic zinc paint, a mist coat is required.
Remarks	<ol style="list-style-type: none">1. Sufficient performance after last coating is achieved after drying for 7 days at 20°C.2. For coating areas exposed to the outside, yellowing and chalking may occur in a short period of time due to the effect of sunlight. Upon coating for areas exposed to the outside, be sure to apply top coat.