

DHDC-4080HB

Epoxy primer/intermediate coating, high build



This paint is a high-build epoxy two-component anti-corrosive primer/intermediate coating that is very excellent in anti-corrosion properties, adhesion, thick-film paint-ability, and subsequent paint-ability. 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

Anti-corrosive steel primer for nuclear power plants
Anti-corrosive primer/intermediate coating for steel structures

Specification

Paint type	Epoxy / High build (Two-Component)			
Drying time	Category	5°C	20°C	30°C
	Set-to-touch	3 hours	1 hour	40 minutes
	Dry-hard	20 hours	8 hours	6 hours
	Over-coat (Min.)	24 hours	12 hours	8 hours
	Maturation time	1 hour	30 minutes	20 minutes
	Pot life	6 hours	4 hours	3 hours
Thinner	DR-100	Dilution ratio	▷ Brush, roller coating: less than 15% ▷ Airless, spray coating: less than 10%	
Specific gravity	Approx. 1.6			
Theoretical Coverage	8.0 m ² /ℓ (1time - 100μm)	Solid volume ratio	Approx. 80±1%	
Color	Gray, other colors	Thickness of dried film	75~125μm	
Mixing ratio	Base(A)/Hardener(B)=4.5/1 (Volume ratio)	Flash point	At least 35°C	
Gloss	Matte	Shelf life	12 months (Dry, cool, and dark place with good ventilation)	

Product Properties (Physical Property Data)

High-build type paint	Two-component high-build epoxy high solid primer/intermediate coating (satisfying the protective coating technology criteria for nuclear power plants)
Excellent film property	Adhesion, water resistance, anti-corrosive properties and follow-up coating ability are superior.

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. The degree of surface treatment to obtain an excellent steel protection effect should be at least SSPC-SP 10 or Sa2.5 (near white metal blast cleaning).2. For steel, apply immediately after surface treatment.
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"~0.031"- Injection pressure : More than 3000 P.S.I.(210kg/cm²)- 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 : Epoxy system primer, inorganic zinc system, epoxy zinc system paint<ul style="list-style-type: none">- Upon coating on the inorganic zinc paint, a mist coat is required.2. Follow-up coating : Epoxy system, urethane system, PVDF paint
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.