

# DHDC-5080HB

## Epoxy intermediate/top coat, high build



This paint is a two-component clear epoxy paint made mainly of epoxy resin and polyamide resin. It is an primer paint suitable for concrete because of its excellent permeability. This product is excellent in permeability, water resistance, and chemical resistance compared to general epoxy clear undercoats. It 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

Intermediate and top coat for undercoated steel structures and concrete surfaces

### Specification

Paint type	Epoxy / High build (Two-Component)			
Drying time	Category	5°C	20°C	30°C
	Set-to-touch	3 hours	1.5 hours	1 hour
	Dry-hard	24 hours	10 hours	6 hours
	Over-coat (Min.)	36 hours	15 hours	8 hours
	Over-coat (Max.)	3 months	2 months	1 month
	Maturation time	1 hour	30 minutes	20 minutes
	Pot life	8 hours	5 hours	3 hours
Thinner	DR-100	Dilution ratio	▷ Brush, roller coating: less than 15%	
Specific gravity	Approx. 1.5		▷ Airless, spray coating: less than 10%	
Theoretical Coverage	5.5 m <sup>2</sup> /ℓ (1time - 150μm)	Solid volume ratio	Approx. 83±1%	
Color	Gray, other colors	Thickness of dried film	100~150μm	
Mixing ratio	Base(A)/Hardener(B)=2/1 (Weight ratio)	Flash point	At least 7°C	
Gloss	Egg Shell Gloss	Shelf life	12 months (Dry, cool, and dark place with good ventilation)	

### Product Properties (Physical Property Data)

High solid paint	As a two-component epoxy high-solid high-build intermediate/top coat, it highly improves the durability of the entire film.
Excellent film property	Adhesion, water resistance, anti-corrosive properties and abrasion resistance are superior.

### How to Use

Surface treatment	<ol style="list-style-type: none"><li>1. Completely remove oil, moisture, sand, dust, and other foreign matter from the surface to be coated.</li><li>2. Sufficiently dry the surface to be coated before coating.</li><li>3. The welded parts and corners need to be cleaned before coating.</li></ol>
Coating Method	<ol style="list-style-type: none"><li>1. Although coating can be done by either brush or airless spraying, airless spray coating is best.</li><li>2. Airless spray coating:<ul style="list-style-type: none"><li>- Tip diameter : 0.021"~0.031"</li><li>- Injection pressure : More than 3000 P.S.I(210kg/cm<sup>2</sup>)</li><li>- Store the coating equipment after cleaning with an exclusive thinner immediately after use.</li></ul></li></ol>
Preceding & Follow-up Coating	<ol style="list-style-type: none"><li>1. Preceding coating : Epoxy system primer, inorganic zinc system, epoxy zinc system paint<ul style="list-style-type: none"><li>- Upon coating on the inorganic zinc paint, a mist coat is required.</li></ul></li><li>2. Follow-up coating : Epoxy system, urethane system, PVDF paint</li></ol>
Remarks	<ol style="list-style-type: none"><li>1. Sufficient performance after last coating is achieved after drying for 7 days at 20°C.</li><li>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.</li></ol>