

# DHDC-4000HS

## Epoxy clear, high solid



This paint is a two-component transparent 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 primer. 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

Primer of concrete surfaces for nuclear power plants  
Primer for concrete and wood requiring water resistance and chemical resistance

### Specification

Paint type	Epoxy system / Transparent (Two-Component)			
Drying time	Category	5°C	20°C	30°C
	Set-to-touch	5 hours	3 hours	2 hours
	Dry-hard	30 hours	15 hours	12 hours
	Over-coat( Min.)	36 hours	18 hours	15 hours
	Maturation time	1 hour	30 minutes	20 minutes
	Pot life	8 hours	5 hours	3 hours
Specific gravity	Approx. 1.0	Solid volume ratio	Approx. 75±1%	
Color	Transparent	Thickness of dried film	40~50μm	
Mixing ratio	Base(A)/Hardener(B)=2/1 (Volume ratio)	Solid volume ratio	Approx. 90±1%	
Gloss	Glossy	Flash point	At least 28°C	
		Shelf life	12 months (Dry, cool, and dark place with good ventilation)	

### Product Properties (Physical Property Data)

Clear primer	A two-component transparent epoxy high-solid paint for concrete (satisfying the protective coating technology criteria for nuclear power plants)
Excellent film property	Permeability, water resistance and chemical resistance are excellent.

### 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. Apply to a surface treated with a concrete hardener after checking the adhesion beforehand.</li><li>4. Apply after curing at least 28 days at a concrete temperature of 21°C and relative humidity of 50%.</li></ol>
Coating Method	<ol style="list-style-type: none"><li>1. Coating can be done by either brush, roller, air or airless spray coating.</li><li>2. Store the coating equipment after cleaning with an exclusive thinner immediately after use.</li></ol>
Preceding & Follow-up Coating	<ol style="list-style-type: none"><li>1. Follow-up coating : Epoxy system, urethane system, PVDF paint are suitable.</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>