

# NEW-WATERPOXY DHDC-2600WP

## Water-based epoxy oxidized steel anti-corrosive primer

This paint is a water-based epoxy anti-corrosive paint using an excellent anti-corrosive pigment. It does not contain any solvent components harmful to the human body and is excellent in mechanical and chemical properties possessed by solvent-based epoxy anti-corrosive paints. In particular, it is a special anti-corrosive paint that can prevent the corrosion of steel surfaces, which may be generated by water contained in the paint, and allows to work indoors because it does not contain any solvent component.

Usage

Anti-corrosive paint for general steel, steel structures in indoor spaces

### Specification

Paint type	Water-based epoxy / Anti-corrosive primer (Two-Component)			
Drying time	Category	10°C	20°C	30°C
	Set-to-touch	1 hour	30 minutes	15 minutes
	Dry-hard	24 hours	8 hours	6 hours
	Over-coat (Min.)	32 hours	12 hours	8 hours
	Over-coat (Max.)	1 month	15 days	7 days
	Maturation time	20 minutes	15 minutes	10 minutes
	Pot life	2 hours	1.5 hours	1 hour
Thinner	Tap water	Dilution ratio	▷ Brush, roller coating: less than 10%	
Specific gravity	Approx. 1.28		▷ Airless, spray coating: less than 5%	
Theoretical Coverage	10 m <sup>2</sup> /ℓ (1time - 40μm)	Solid volume ratio	Approx. 40±1%	
Color	Reddish brown	Thickness of dried film	40μm	
Mixing ratio	Base(A)/Hardener(B)=5/1 (Weight ratio)	Flash point	Not applicable	
Gloss	Matte	Shelf life	12 months (Dry, cool, and dark place with good ventilation)	

### Product Properties (Physical Property Data)

Water-based epoxy primer	A two-component water-based epoxy undercoat for steel, which is an eco-friendly paint with excellent mixing and painting workability.
Excellent film property	Adhesion, 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. After primer coating, clean up the welded areas (blackened and rusted areas) with a disc sander. Then, touch up with this paint and continue coating.</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></ol> <p>- For roller coating, oil roller is suitable.</p>
Preceding & Follow-up Coating	<ol style="list-style-type: none"><li>1. Follow-up coating : NEW-WATERPOXY DHDC-2600WF</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. As this product has a short pot life, it should be used within the pot life (especially during the summer).</li><li>3. At low temperature and high humidity, water evaporation on the coating surface during coating is very delayed, and normal properties cannot be exhibited even when it is dried. (Coating is prohibited at a temperature of 5°C or below and humidity of 85% or higher)</li><li>4. If it is applied in an enclosed space, water evaporation is very delayed, thereby resulting in drying failure. Therefore, use appropriate methods to ensure that water evaporation can occur smoothly.</li><li>5. About 40μm is appropriate for one coat, and avoid forming thick coating when applying one coat (which causes sagging and drying failure).</li><li>6. Store the paint at 5°C or higher.</li><li>7. For coating areas exposed to the outside, yellowing and chalking may occur in a short period of time due to the effect of sunlight.</li></ol>