

# DHDC-0700

## Urethane primer



This paint is an anti-corrosive paint made by using zinc phosphate pigment with very excellent anti-corrosive properties and urethane resin. It is an acrylic urethane type anti-corrosive paint having very excellent water resistance, salt water resistance, and oil resistance. This paint is suitable for primer on areas where long-term anti-corrosion is required.

Usage

Anti-corrosive primer for steel structures requiring long-term anti-corrosion

### Specification

Paint type	Acrylic urethane / Anti-corrosive primer (Two-Component)			
Drying time	Category	5°C	20°C	30°C
	Set-to-touch	1 hour	30 minutes	20 minutes
	Dry-hard	8 hours	4 hours	3 hours
	Over-coat (Min.)	12 hours	6 hours	4 hours
	Over-coat (Max.)	7 days	5 days	3 days
	Maturation time	30 minutes	20 minutes	10 minutes
	Pot life	16 hours	5 hours	3 hours
Thinner	DR-700	Dilution ratio	▷ Brush, roller coating: less than 15%	
Specific gravity	Approx. 1.2(Based on gray color)		▷ Airless, spray coating: less than 10%	
Theoretical Coverage	10 m <sup>2</sup> /ℓ (1time - 50μm)	Solid volume ratio	Approx. 50±1%	
Color	Reddish brown, gray, other colors	Thickness of dried film	50μm	
Mixing ratio	Base(A)/Hardener(B)=3.2/1 (Volume ratio)	Flash point	At least 7°C	
Gloss	Matte	Shelf life	12 months (Dry, cool, and dark place with good ventilation)	

### 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. 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).The surface roughness should not exceed 75 μm.</li><li>2. For steel, apply immediately after surface treatment.</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><li>2. Airless spray coating:<ul style="list-style-type: none"><li>- Tip diameter : 0.015"~0.019"</li><li>- Injection pressure : More than 2500 P.S.I(176kg/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 : ZINC RICH PRIMER(DHDC-1610HB), ZINC CATE PRIMER(DHDC-1650, DHDC-1800)</li><li>2. Follow-up coating : 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></ol>