

# DHDC-9700



## Anti-static urethane top coat

This paint is an anti-static epoxy paint for ceilings, walls and floors in precision industries requiring protection against the danger of static electricity, namely those require high degree of cleanliness. As it is especially excellent in abrasion resistance, adhesion, water resistance and chemical resistance, it is suitable for new and repair painting. It is suitable for exterior use due to its firm film, excellent weather resistance, beautiful dry film appearance and excellent color retention ability.

Usage

Top coat for steel and concrete requiring an anti-static effect

### Specification

Paint type	Acrylic urethane / top coat (Two-Component)			
Drying time	Category	5°C	20°C	30°C
	Set-to-touch	1 hour	30 minutes	20 minutes
	Dry-hard	12 hours	5 hours	4 hours
	Over-coat (Min.)	12 hours	8 hours	6 hours
	Over-coat (Max.)	7 days	4 days	2 days
	Maturation time	30 minutes	20 minutes	10 minutes
	Pot life	6 hours	5 hours	3 hours
Thinner	DR-700	Dilution ratio	▷ Brush, roller coating: less than 5%	
Specific gravity	Approx. 1.2(Based on white color)		▷ Airless, spray coating: less than 10%	
Theoretical Coverage	10 m <sup>2</sup> /ℓ (1 time - 40μm)	Solid volume ratio	Approx. 40±1%	
Color	White, other colors(limited)	Thickness of dried film	1time x 40μm 2coats	
Mixing ratio	Base(A)/Hardener(B)=4/1 (Weight ratio)	Flash point	At least 24°C	
Gloss	Less than semi-gloss	Shelf life	12 months (Dry, cool, and dark place with good ventilation)	

### Product Properties (Physical Property Data)

Surface Resistance	10 <sup>4</sup> 5 Ω - 10 <sup>9</sup> Ω (Temperature: 20±1°C, Dry Film Thickness: 80μm (2 coats))
Superior film property	This product can be applied in precision industries, having excellent adhesion, abrasion resistance, water resistance and chemical resistance.

### 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><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 : Epoxy system - steel : DHDC-0690, concrete : DNY-100</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. Airless spray coating is recommend to obtain the desired resistance value.</li><li>3. If coated with a brush or roller, the resistance value may not be uniform, and uneven coloring may be caused.</li><li>4. Coat the surface treated with a concrete hardener after checking the adhesion beforehand. Apply after at least drying for 28 days at a concrete temperature of 21°C and a relative humidity of 50%.</li></ol>