

DHDC-2740BG

Two-component acrylic urethane top coat



This paint is a premium top coat based on acrylic urethane resin, and has a firm coating film as well as excellent adhesion, weather resistance, and chemical resistance. It is a premium top coat for heavy duty coating due to its beautiful dry film appearance and excellent color retention ability and is suitable for exterior use. In particular, it is most suitable as an acrylic urethane top coat for steel structures due to its excellent airless spray workability.

Usage

Steel surfaces of steel structures and bridges, steel surfaces of various industrial facilities

Specification

Paint type	Acrylic urethane / Top coat(non-yellowing type) (Two-Component)			
Drying time	Category	5°C	20°C	30°C
	Set-to-touch	1 hour	30 minutes	20 minutes
	Dry-hard	24 hours	18 hours	12 hours
	Over-coat (Min.)	48 hours	18 hours	12 hours
	Over-coat (Max.)	1 month	15 days	7 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	12.5 m ² /l (1 time - 40μm)	Solid volume ratio	Approx. 50±1%	
Color	White, other colors	Thickness of dried film	40μm	
Mixing ratio	Base(A)/Hardener(B)=7/1 (Weight ratio)	Flash point	At least 24°C	
Gloss	Glossy	Shelf life	12 months (Dry, cool, and dark place with good ventilation)	

Product Properties (Physical Property Data)

Acrylic urethane	Two-component type acrylic urethane product with excellence weatherability in outdoor environmental conditions.
Excellent film property	The product has solid film and good adherence, weatherability and chemical resistance.
Certification Status	Group standard quality mark certification (standard name: urethane paint, standard No.: SPS-KPI 5003-1756)

How to Use

Surface treatment	<ol style="list-style-type: none">1. Completely remove oil, moisture, sand, dust, and other foreign matter from the surface to be coated.2. Sufficiently dry the surface to be coated before coating.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.
Coating Method	<ol style="list-style-type: none">1. Coating can be done by either brush, roller, or airless spray coating.2. Airless spray coating :<ul style="list-style-type: none">- Tip diameter : 0.017"~0.021"- Injection pressure : More than 2500 P.S.I (176kg/cm²)- Store the coating equipment after cleaning with an exclusive thinner immediately after use.
Preceding & Follow-up Coating	<ol style="list-style-type: none">1. Preceding coating : Epoxy system, urethane system paint
Remarks	<ol style="list-style-type: none">1. Sufficient performance after last coating is achieved after drying for 7 days at 20°C.2. For one coat, about 40μm is appropriate, and if a thick coating is formed during one coat, sagging, bubbling, and popping may occur.