

DHDC-3660

Solvent-based epoxy top coat, high build



This paint is a high build epoxy top coat that is excellent in wettability and adhesion to the primer. Since it is excellent in the hardness of film, adhesion, water resistance, salt water resistance, and chemical resistance, it is suitable for structures in a coastal environment and other heavy-duty structures. As it is a high build paint that can be applied as the dry film at a thickness of up to 100 μ m in one coat, it is a superior epoxy paint that can shorten the painting process and improve the durability of the entire film.

Usage

Top coat for undercoated steel and concrete

Specification

Paint type	Epoxy / top coat / High build (Two-Component)			
Drying time	Category	5°C	20°C	30°C
	Set-to-touch	2 hours	1 hour	40 minutes
	Dry-hard	24 hours	12 hours	8 hours
	Over-coat (Min.)	32 hours	18 hours	12 hours
	Over-coat (Max.)	3 months	2 months	1 month
	Maturation time	1 hour	30 minutes	20 minutes
	Pot life	12 hours	8 hours	6 hours
Thinner	DR-100	Dilution ratio	▷ Brush, roller coating: less than 15%	
Specific gravity	Approx. 1.4(Based on white color)		▷ Airless, spray coating: less than 10%	
Theoretical Coverage	6.2 m ² /ℓ (1 time - 100 μ m)	Solid volume ratio	Approx. 62±1%	
Color	White, other colors	Thickness of dried film	100 μ m	
Mixing ratio	Base(A)/Hardener(B)=8/1 (Weight ratio)	Flash point	At least 7°C	
Gloss	Egg Shell Gloss	Shelf life	12 months (Dry, cool, and dark place with good ventilation)	

Product Properties (Physical Property Data)

Epoxy top coat	A two-component epoxy top coat that has a superior dry film appearance and is suitable for airless spray coating. (for interior)
Excellent film property	Adhesion, salt water resistance, anti-corrosive properties, water resistance and chemical resistance are excellent.

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. The welded parts and corners need to be cleaned before coating.
Coating Method	<ol style="list-style-type: none">1. Although coating can be done by either brush or airless spraying, airless spray coating is best.2. Airless spray coating :<ul style="list-style-type: none">- Tip diameter : 0.019"~0.025"- Injection pressure : More than 3000 P.S.I (210kg/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, epoxy zinc and inorganic zinc primer<ul style="list-style-type: none">- Upon coating on the inorganic zinc paint, a mist coat is required.2. Follow-up coating: Epoxy system, urethane system, PVDF 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 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.