

DHDC-3670

Epoxy top coat, ultra-high build



This paint is a high build epoxy top coat that is used for painting structures in an environment that requires a firm film, adhesion, solvent resistance and chemical-resistant atmosphere. As it is a high build paint that can be applied as the dry film at a thickness of up to 200 μ m in one coat, it has an advantage of being able to shorten the painting process.

Usage

Top coat for undercoated steel and concrete

Specification

Paint type	Epoxy polyamide / 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	10 hours	8 hours
	Over-coat (Min.)	32 hours	24 hours	18 hours
	Over-coat (Max.)	3 months	2 months	1 month
	Maturation time	1 hour	30 minutes	20 minutes
	Pot life	16 hours	12 hours	8 hours
Thinner	DR-100	Dilution ratio	▷ Brush, roller coating: less than 10% ▷ Airless, spray coating: less than 5%	
Specific gravity	Approx. 1.4			
Theoretical Coverage	4.7 m ² /ℓ (1 time - 150 μ m)	Solid volume ratio	Approx. 70±1%	
Color	White, other colors	Thickness of dried film	150 μ m	
Mixing ratio	Base(A)/Hardener(B)=2/1 (Weight ratio)	Flash point	At least 7°C	
Gloss	Semi-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, water resistance, anti-corrosive properties, solvent resistance and chemical resistance are excellent.

How to Use

Surface treatment	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	1. Although coating can be done by either brush or airless spraying, airless spray coating is best. 2. Airless spray coating : - Tip diameter : 0.021"~0.027" - Injection pressure : More than 3000 P.S.I (210kg/cm ²) - Store the coating equipment after cleaning with an exclusive thinner immediately after use.
Preceding & Follow-up Coating	1. Preceding coating: steel - epoxy anti-corrosive paint, epoxy zinc and inorganic zinc primer concrete - epoxy solvent-based clear and permeable clear primer - Upon coating on the inorganic zinc paint, a mist coat is required. 2. Follow-up coating: Epoxy system, urethane system, PVDF paint
Remarks	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.