

DHDC-3650TL



Phenolic epoxy top coat, high build

This paint is a premium epoxy phenolic amine top coat that is used for the painting of structures in an environment that requires adhesion to hard film and a chemical-resistant atmosphere such as water resistance, solvent resistance, and acid and alkali resistance. It is especially suitable for the lining of various tanks for petroleum and solvents. As it is a high build paint that can be applied as the dry film at a thickness of up to 125 μ m in one coat, it can shorten the painting process.

Usage

Top coat for various storage tanks, and structures in chemical environments (generally recommended for inside steel structures and tank linings)

Specification

Paint type	Epoxy phenolic amine / Top coat / Thick film (2-Component)			
Drying time	Category	5°C	20°C	30°C
	Set-to-touch	2 hours	1 hour	1 hour
	Dry-hard	24 hours	18 hours	12 hours
	Over-coat (Min.)	48 hours	24 hours	16 hours
	Over-coat (Max.)	1 month	15 days	7 days
	Maturation time	1 hour	30 minutes	20 minutes
	Pot life	5 hours	3 hours	2 hours
Thinner	DR-100	Dilution ratio	▷ Brush, roller coating: less than 15%	
Specific gravity	Approx. 1.6		▷ Airless, spray coating: less than 10%	
Theoretical Coverage	7.2 m ² /ℓ (1time - 125 μ m)	Solid volume ratio	Approx. 90±1%	
Color	Gray, other colors	Thickness of dried film	125 μ m	
Mixing ratio	Base(A)/Hardener(B)=5/1 (Weight ratio)	Flash point	At least 12°C	
Gloss	Glossy	Shelf life	12 months (Dry, cool, and dark place with good ventilation)	

Product Properties (Physical Property Data)

Chemical type	10% hydrochloric acid, 10% phosphoric acid	Test method	KS M ISO 2812-1
	50% sodium hydroxide, 50% methanol	Test result	No problems
	Aircraft oil, gasoline, diesel		

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 : 0.021"~0.031"- 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 : steel - DHDC-3650TL PRIMER concrete - DHDC-3650TL CLEAR
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.