

DHDC-4800AL

Epoxy mastic, high build (silver)



This paint is a self-primer epoxy mastic intermediate/top coat that is excellent in adhesion, water resistance, salt water resistance and anti-rust properties. In particular, it can shorten the painting process because it has excellent workability and can form a thick film by one coat. It can be applied after a simple surface treatment for old films of steel structures after removal of rust and mill scale with hand tools and power tools from steel for which surface treatment with abrasives is difficult or rusty basis materials. It can also be used for repair painting of old alkyd-based films (about six months).

Usage

Repair coating for old films firmly attached to steel structures treated with hand tools or power tools

Specification

Paint type	Epoxy modified amine / Self-primer type / High build (Two-Component)			
Drying time	Category	5°C	20°C	30°C
	Set-to-touch	2 hours	1 hour	30 minutes
	Dry-hard	15 hours	6 hours	4 hours
	Over-coat (Min.)	24 hours	8 hours	6 hours
	Over-coat (Max.)	1 month	15 days	7 days
	Pot life	5 hours	3 hours	2 hours
Thinner	Normal coating : DR-100 Alkyd overcoat refinish : DR-100A	Dilution ratio	▷ Brush, roller coating: less than 15% ▷ Airless, spray coating: less than 10%	
Specific gravity	Approx. 1.5			
Theoretical Coverage	8 m ² /ℓ (1 time - 100μm)	Solid volume ratio	Approx. 80±1%	
Color	Silver dust	Thickness of dried film	100~150μm	
Mixing ratio	Base(A)/Hardener(B)=4/1 (Weight ratio)	Flash point	At least 27°C	
Gloss	Egg Shell Gloss	Shelf life	12 months (Dry, cool, and dark place with good ventilation)	

Product Properties (Physical Property Data)

Epoxy mastic	A two-component self-primer high-build intermediate/top coat that can be applied to areas where blasting is impossible or can be applied as a barrier coat
Excellent film property	Adhesion, salt water resistance, water resistance, rust prevention function and abrasion resistance are superior.

How to Use

Surface treatment	<ol style="list-style-type: none">1. Remove oil, moisture, sand, dust, and other foreign substances completely from the surface2. Remove weak old coating, rust, mill scale completely with hand or power tools or sweep blasting. (SSPC SP-2, SP-3)3. Apply the coating on steel surface immediately after surface treatment.4. Handling is required on the welded part or edge surface before applying.
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. 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.