

RUSTOP DHDC-3800AL



Multi-purpose epoxy (aluminum type), high build

This paint is a two-component primer and top coat that is excellent in adhesion and chemical resistance. 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. In terms of surface treatment, it is possible to paint even after a simple treatment for steel structures treated with hand tools or power tools and old coating. It is suitable for repair painting for areas where facilities are complicated and difficult to reach for blasting treatment. It can also be used as a barrier coat for repair painting for old alkyd-based films (about six months).

Usage

System for tightly adhering coatings and hand or power tool prepared steel

Specification

Paint type	Epoxy-modified Amine / High build (Two-Component)			
Drying time	Category	5°C	20°C	30°C
	Set-to-touch	3 hours	2 hours	1 hour
	Dry-hard	36 hours	15 hours	10 hours
	Over-coat (Min.)	48 hours	24 hours	15 hours
	Over-coat (Max.)	1 month	15 days	7 days
	Maturation time	30 minutes	15 minutes	10 minutes
	Pot life	6 hours	4 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. 1.4			
Theoretical Coverage	8 m ² /ℓ (1 time - 100 μ m)	Solid volume ratio	Approx. 80 \pm 1%	
Color	Silver dust	Thickness of dried film	100 μ m	
Mixing ratio	Base(A)/Hardener(B)=9/1 (Weight ratio)	Flash point	At least 27°C	
Gloss	Silk Gloss	Shelf life	12 months (Dry, cool, and dark place with good ventilation)	

Product Properties (Physical Property Data)

Multi-purpose epoxy	Two-component epoxy primer/top coat for barrier coat or surfaces that is not available of blasting
Excellent film property	Excellent properties of adhesion, salt water resistance, anti-rust and wear resistance

How to Use

Surface treatment	<ol style="list-style-type: none"> 1. Remove oil, moisture, sand, dust, and other foreign substances completely from the surface 2. Remove weak old coating, rust, mill scale completely with hand or power tools or sweep blasting. (SSPC SP-2, SP-3) 3. Clean inundated surface with SSPC-SP 10 or Sa2.5(Near white blast cleaning) for surface treatment. 4. Apply the coating on steel surface immediately after surface treatment. 5. Handling is required on the welded part or egde surface before applying.
Coating Method	<ol style="list-style-type: none"> 1. A brush, roller, or airless spray available for painting (airless spray recommended) 2. In airless spray painting: <ul style="list-style-type: none"> - Tip diameter: 0.021"~0.031" - Spraying pressure: 3000 P.S.I or more (210kg/cm²) - The used painting instrument must be cleaned with a dedicated diluent 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.