

DHDC-7500P

Non-solvent-based epoxy anti-corrosive primer



This paint is a special epoxy anti-corrosive primer, having excellent anti-corrosion performance to various storage tanks, steel structures, vessels, etc. In particular, it is most suitable as an anti-corrosive primer for heavy-duty tank lining paints for storage of crude oil, petrochemicals, a limited range of chemicals and pure water. It is an eco-friendly, non-solvent-based paint that can provide corrosion resistance and chemical resistance to various storage materials and can shorten the painting process because it forms a thick film with a strong adhesive force along with a non-solvent-based epoxy top coat.

Usage

Anti-corrosive steel primer for heavy-duty storage tank lining for crude oil and petrochemicals
Anti-corrosive primer for various steel structures requiring anti-corrosion
Anti-corrosive steel primer for eco-friendly pure water storage tanks and various water intake facilities

Specification

Paint type	Non-solvent-based epoxy / Anti-corrosive primer / High build (Two-Component)			
Drying time	Category	5℃	20℃	30℃
	Set-to-touch	6 hours	4 hours	2.5 hours
	Dry-hard	32 hours	20 hours	12 hours
	Over-coat (Min.)	32 hours	24 hours	15 hours
	Over-coat (Max.)	10 days	7 days	5 days
	Pot life	80 minutes	50 minutes	30 minutes
Thinner	Not necessary (Cleaning thinner : DR-100)		Dilution ratio	Not applicable
Specific gravity	Approx. 1.5			
Theoretical Coverage	7.2 m ² /ℓ (1time - 150μm)		Solid volume ratio	Approx. 99±1%
Color	Gray		Thickness of dried film	150~250μm
Mixing ratio	Base(A)/Hardener(B)=3/1 (Volume ratio)		Flash point	Non-hazardous
Gloss	Glossy		Shelf life	12 months (Dry, cool, and dark place with good ventilation)

Product Properties (Physical Property Data)

Solvent free epoxy	A special amine curing type non-solvent-based epoxy transparent paint for steel, which is a high-build eco-friendly paint
Excellent film property	Adhesion, water resistance, salt 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. The degree of surface treatment to obtain an excellent steel protection effect should be at least SSPC-SP 10 or Sa2.5 (near white metal blast cleaning).The surface roughness should not exceed 75 μm.2. For steel, apply immediately after surface treatment.3. After primer coating, clean up the welded areas (blackened and rusted areas) with a disc sander. Then, touch up with this paint and continue coating.
Coating Method	<ol style="list-style-type: none">1. It should be coated with airless spray equipment having a pump of 60:1 or higher.2. At low temperature, an In Line Heating hose should be used to facilitate pumping and spraying. If the temperature is maintained above 30°C, a normal 45:1 airless spray can be used.3. Airless spray coating:<ul style="list-style-type: none">- Equipment : airless spray greater than 60:1- Tip diameter : 0.021"~0.025"- Injection pressure : More than 4000 P.S.I.(280kg/cm²)- Store the coating equipment after cleaning with an exclusive thinner immediately after use.4. Air spraying is not recommended, and a brush and roller can be used for the touch-up of local areas and partial repair coating.
Preceding & Follow-up Coating	<ol style="list-style-type: none">1. Follow-up coating : Non-solvent based top coat(DHDC-7500 system) is suitable.
Remarks	<ol style="list-style-type: none">1. Sufficient performance after last coating is achieved after drying for 7 days at 20°C.2. As this is a 2K non-solvent-based product, it should be used within the pot life. Note that the pot life is especially shorter in the summer.3. For coating areas exposed to the outside, yellowing and chalking may occur in a short period of time due to the effect of sunlight.