DHDC-1610HB(N)

Epoxy zinc rich primer, high build

This paint is a two-component epoxy zinc rich primer made by mixing epoxy-polyamide resin and zinc dust. It is excellent in adhesion, hardness, anti-corrosive properties, water resistance, and oil resistance. It is widely used as anti-corrosive paint for steel structures. Unlike conventional epoxy zinc rich primers, it is designed to be able to paint up to 75㎛ of dry film in one coat. It is widely used as a long-term exposure anti-corrosive primer for steel structures.

Usage	Anti-corrosive primer for marine structures such as steel plates, tanks, steel structures, etc., containers of petrochemicals and other industrial steel

Specification

Paint type	Zinc powder / Epoxy polyamide / High build (Two-Component)

Drying time

Category	5℃	20℃	30℃
Set-to-touch	1 hour	20 minutes	10 minutes
Dry-hard	8 hours	4 hours	2 hours
Over-coat (Min.)	16 hours	8 hours	5 hours
Over-coat (Max.)	4 months	3 months	2 months
Maturation time	1 hour	30 minutes	20 minutes
Pot life	12 hours	8 hours	6 hours

Thinner	DR-620	Dilution ratio	▷Brush, roller coating, spray coating: less than 10%
Specific gravity	Approx. 2.0		
Theoretical Coverage	7.3 ㎡/ℓ (1time - 75㎛)	Solid volume ratio	Approx. 55±1%
Color	Metal zinc gray	Thickness of dried film	75㎛
Mixing ratio	Base(A)/Hardener(B)=3.6/1 (Volume ratio)	Flash point	At least 7℃
Gloss	Matte	Shelf life	12 months (well-ventilated dry, cold and dark location)

Product Properties (Physical Property Data)

Epoxy zinc rich	A 2K epoxy zinc rich primer that is a long-term anti-corrosive high-build undercoat for steel structures.
Excellent film property	It can be applied to steel structures and the inside of tanks due to its excellent water resistance, oil resistance and anti-corrosion properties.

How to Use

Surface treatment	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 ㎛. 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	1. Although coating can be done by either brush or airless spraying, airless spray coating is best. 2. Airless spray coating: - Tip diameter : 0.017"~0.025" - Injection pressure : More than 2500 P.S.I(176kg/㎠) - Store the coating equipment after cleaning with an exclusive thinner immediately after use.
Preceding & Follow-up Coating	1. Follow-up coating: Applicable to epoxy system, urethane system, and PVDF paint
Remarks	1. Sufficient performance after last coating is achieved after drying for 7 days at 20℃. 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. 3. Before mixing the hardener, the main agent should be well stirred until the precipitated zinc dust is completely dissolved. 4. Product with similar specifications : SSPC-Paint 20