

DHDC-1610HB



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 μ m 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) | | | |
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| Drying time | Category | 5°C | 20°C | 30°C |
| | 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: less than 10% | |
| Specific gravity | Approx. 2.1 | | ▷ Airless, spray coating: less than 10% | |
| Theoretical Coverage | 6.4 m ² /ℓ (1time - 75 μ m) | Solid volume ratio | Approx. 48 \pm 1% | |
| Color | Metal zinc gray | Thickness of dried film | 75 μ m | |
| Mixing ratio | Base(A)/Hardener(B)=3.6/1 (Volume ratio) | Flash point | At least 7°C | |
| Gloss | Matte | Shelf life | 12 months (well-ventilated dry, cold and dark location) | |

Product Properties (Physical Property Data)

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| 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

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| 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. 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 : 0.017"~0.025"- Injection pressure : More than 2500 P.S.I.(176kg/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: Applicable to epoxy system, urethane system, and 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.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 |