

# 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 $\mu$ 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) |                         |   |            |
| 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, spray coating: less than 10%   |            |
| Specific gravity     | Approx. 2.2  |                         |   |            |
| Theoretical Coverage | 7.3 m <sup>2</sup> /ℓ (1time - 75 $\mu$ m)                 | Solid volume ratio      | Approx. 55±1%   |            |
| Color                | Metal zinc gray  | Thickness of dried film | 75 $\mu$ m  |            |
| Mixing ratio         | Base(A)/Hardener(B)=4/1 (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)

|                         |  |
|-------------------------|--|
| 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             | <ol style="list-style-type: none"><li>1. Completely remove oil, moisture, sand, dust, and other foreign matter from the surface to be coated.<br/>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 <math>\mu</math>m.</li><li>2. For steel, apply immediately after surface treatment.</li><li>3. After primer coating, clean up the welded areas (blackened and rusted areas) with a disc sander.<br/>Then, touch up with this paint and continue coating.</li></ol> |
| Coating Method                | <ol style="list-style-type: none"><li>1. Although coating can be done by either brush or airless spraying, airless spray coating is best.</li><li>2. Airless spray coating:<ul style="list-style-type: none"><li>- Tip diameter : 0.017"~0.025"</li><li>- Injection pressure : More than 2500 P.S.I.(176kg/cm<sup>2</sup>)</li><li>- Store the coating equipment after cleaning with an exclusive thinner immediately after use.</li></ul></li></ol>   |
| Preceding & Follow-up Coating | <ol style="list-style-type: none"><li>1. Follow-up coating: Applicable to epoxy system, urethane system, and PVDF paint</li></ol>  |
| Remarks                       | <ol style="list-style-type: none"><li>1. Sufficient performance after last coating is achieved after drying for 7 days at 20°C.</li><li>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.</li><li>3. Before mixing the hardener, the main agent should be well stirred until the precipitated zinc dust is completely dissolved.</li><li>4. Product with similar specifications : SSPC-Paint 20</li></ol>   |