



Korepox H.S. EH3300 (Two-Component)

Product Description An ultra high build, high solids, two-component, epoxy resin based coating, capable of being applied up to 2,000 μm dry film thickness, and providing excellent impact resistance, abrasion resistance. Also, it provides a hard and tough film with long term durability and meets VOC regulation. Suitable for application using standard airless spray equipment, economical to apply.

Recommended Use As a coating for the protection of steelwork in severe environments where high abrasion and corrosion resistance are required including splash zone areas on offshore oil and gas platforms, wharf piles, ship loading facilities, jetties, decks, bridges, chemical plants, pulp and paper mills, and water treatment plants.

Physical Properties

Finish and Color Semi-gloss. Grey

| Drying Time | Substrate temperature | 10 °C / 50 °F | 20 °C / 68 °F | 30 °C / 86 °F |
|-------------|-----------------------|---------------|---------------|---------------|
| | Set to touch | | 15 h | 6 h |
| Dry through | | 72 h | 30 h | 15 h |

* The actual drying time is subject to the film thickness, ventilation, humidity etc., and drying time under other temperature conditions should be checked and informed by KCC.

Solids by Volume Approx. 100 % (Determined by ISO 3233)

Theoretical Spreading Rate 1.0 m^2/L in 1,000 μm dry film thickness on a smooth surface.

Specific Gravity Approx. 1.00 ~ 1.10 for Mixture of Base and Curing agent.

Flash Point Base (EH3300-A) : 32 °C / 90 °F (Closed cup)
Curing Agent (EH3300-B) : 65 °C / 149 °F (Closed cup)

Application Details

Surface Preparation Remove any oil, grease, dirt and any other contaminants from the surface before painting by proper method such as solvent cleaning and fresh water washing, etc.
* Blast cleaning to minimum Sa2.5 for Immersion and non-immersion.

Application Conditions The surface should be completely cleaned and dried.
* Use only where application and curing can proceed at temperature above 10 °C / 50 °F and at relative humidity below 85 %.
* The surface temperature should be at least 2.7 °C (5 °F) above dew point to prevent condensation.
* Storage should be between 20 ~30 °C (68~86°F) to ensure suitable application viscosity.
* Apply using a minimum airless spray pump of 45:1 ratio, for best results, 66:1 ratio is preferred.
* Paint application should be carried out the ambient and surface temperature conditions of over 10 °C/50°F. After application, the curing temperature must be at least above 5°C/41 °F to avoid film defects due to slow drying.
* Keep the temperature specified for application and curing.

Mixing Base (EH3300 Part A) : Curing Agent (EH3300 Part B) = 4 : 1 (by volume)
Mix thoroughly together prior to application in the proportions with power agitator as delivered.

Pot Life 1 h at 20 °C / 68 °F

Disclaimer : The information in this data sheet is believed to the best of our knowledge based on laboratory test and practical experience. However, there are many factors affecting the performance of product and the product quality itself, so we are not able to guarantee without the confirmation of the purpose of using the product from us in writing. We reserve the right to change the data without notice and you should check that this data sheet is current prior to using the product.

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| Thinning | None. Thinner No. 024 or Other thinner approved by KCC (if necessary) |
| Application Method | Spray (Airless or Air), Roller or Brush application. For airless spray application ; Pump ratio : 66 : 1 Nozzle orifice : 483 μm ~ 782 μm (0.019" ~ 0.031") Output pressure : 26 MPa ~ 43 MPa Fan : 65 ° (Airless spray data are indicative and subject to adjustment) |
| Typical Film Thickness | 1,000 μm dry. Depending on the purpose and the area of use, different film thickness may be applied. |
| Recoating Interval | At 20 °C / 68 °F, Minimum : 24 h Maximum : 7 d Before overcoating, remove the oil, salt, chalking material and any other contaminants on aged coating film completely by proper cleaning method such as solvent cleaning and/or fresh water washing. |
| Shelf Life | 12 months |
| Standard Packing Unit | 16 L (EH3300-A : 12.8 L, EH3300-B : 3.2 L) |
| Remarks | Do not store at temperature below 5 °C / 41 °F or above 40 °C / 104 °F. Protect skin and eyes from direct contact with liquid paint, and avoid prolonged breathing of solvent vapors. Use with adequate ventilation. Respiratory protection is recommended when applying this product in confined spaces or stagnant air. |
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