



A two-component, amine adduct cured straight epoxy resin based coating for food products service including steel structures as self primer with suitable topcoat. It has excellent resistance to abrasion and impact. It approved as a Non-contamination Paint for Grain cargoes by Industrial Health Limited. And it is also in accordance with FDA Regulation section 175.300.

|                        |                                                                          |
|------------------------|--------------------------------------------------------------------------|
| <b>Recommended use</b> | As a high-build intermediate or finishing coat for use on a grain cargo. |
|                        | As a primer for use on general steel structures.                         |

### Physical Properties

|                                     |                                                                                                        |
|-------------------------------------|--------------------------------------------------------------------------------------------------------|
| <b>Finish and Color</b>             | Flat. White (1000), Light Grey (1128), Ivory (3332)                                                    |
| <b>Specific gravity</b>             | Approx. 1.40 for Mixture of Base and Curing agent.                                                     |
| <b>Solids by volume</b>             | Approx. 52 % (Determined by ISO 3233)                                                                  |
| <b>Spreading rate (Theoretical)</b> | 4.16 m <sup>2</sup> /L in 125 μm dry film thickness on a smooth surface.                               |
| <b>Flash point</b>                  | Base (EP174 PTA) : 26 °C / 79 °F (Closed cup)<br>Curing Agent (EP174 PTB) : 26 °C / 79 °F (Closed cup) |
| <b>VOC</b>                          | 447 g/L                                                                                                |

### Application details

|                               |                                                                                                                                                                                                                                                                                                                 |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Surface preparation</b>    | 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. * Steel : Blast cleaning to Sa2.5 or Power tool cleaning to St3, etc                                                                           |
| <b>Preceding coat</b>         | Galvany Shopprimer IZ182, Galvany IZ180(N), or according to specification.                                                                                                                                                                                                                                      |
| <b>Method of application</b>  | Spray (Airless or Air), Roller or Brush application.<br>For airless spray application :<br>Nozzle orifice : 483 μm ~ 686 μm (0.019" ~ 0.027")<br>Output pressure : 11.7 MPa ~ 15.2 MPa<br>Fan : 40 ° ~ 60 °<br>(Airless spray data are indicative and subject to adjustment)                                    |
| <b>Mixing</b>                 | Base (Part A) : Curing Agent (Part B) = 3 : 1 (by volume)<br>Mix thoroughly together prior to application in the proportions with power agitator as delivered.                                                                                                                                                  |
| <b>Thinning</b>               | Thinner No. 024 or Other thinner approved by KCC Do not dilute the components separately.                                                                                                                                                                                                                       |
| <b>Application conditions</b> | The surface should be completely cleaned and dried.<br>Do not apply when relative humidity is above 85 %. The surface temperature should be at least 2.7 °C (36.9 °F) above dew point to prevent condensation.<br>In confined areas, ventilate with clean air during application to assist solvent evaporation. |
| <b>Film thickness</b>         | 125 μm dry. Depending on the purpose and the area of use, different film thickness may be applied.                                                                                                                                                                                                              |

|                             |                                                                                                                                                                                                                                                                                                        |             |            |            |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------|------------|
| Drying time                 | Substrate temperature                                                                                                                                                                                                                                                                                  | 5 °C /41 °F | 20°C /68°F | 30°C /86°F |
|                             | Set to touch                                                                                                                                                                                                                                                                                           | 8 h         | 2 h        | 1 h        |
|                             | Dry through                                                                                                                                                                                                                                                                                            | 72 h        | 16 h       | 14 h       |
|                             | * The actual drying time is subject to the film thickness, ventilation, humidity etc.,<br>and drying time under other temperature conditions should be checked and informed by KCC.                                                                                                                    |             |            |            |
| Subsequent Coat             | According to specification.                                                                                                                                                                                                                                                                            |             |            |            |
| Pot life                    | 4 h at 20 °C /68 °F                                                                                                                                                                                                                                                                                    |             |            |            |
| Recoating interval          | At 20 °C / 68 °F , Minimum : 8 h<br><br>Maximum : 30 d (itself) Free (for epoxy top coat)<br><br>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. |             |            |            |
| Heat resistance temperature | Continuous : 93 °C /200 °F (Non-immersion service)<br><br>Non-continuous : 121 °C /250 °F (Non-immersion service)                                                                                                                                                                                      |             |            |            |
| Storage and package         |                                                                                                                                                                                                                                                                                                        |             |            |            |
| Shelf life                  | 12 months                                                                                                                                                                                                                                                                                              |             |            |            |
| Packing Unit                | 15 L (EP174 PTA : 11.2 L, EP174 PTB : 3.8 L)                                                                                                                                                                                                                                                           |             |            |            |
| Remarks                     |                                                                                                                                                                                                                                                                                                        |             |            |            |
| Note                        | Protect skin and eyes from direct contact with liquid paint, and avoid prolonged breathing of solvent vapors.<br><br>Use with adequate ventilation.<br><br>Respiratory protection is recommended when applying this product in confined spaces or stagnant air.                                        |             |            |            |
| 1'st issue                  | 2013-07-01                                                                                                                                                                                                                                                                                             |             |            |            |
| Revision                    | 2020-05-13                                                                                                                                                                                                                                                                                             |             |            |            |

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.

