



## GITIGUARD 31121

GITI ASSA Co.

|                            |   |
|----------------------------|---|
| <b>Product Description</b> | Two-pack high-build polyamide cured epoxy based, finish coat. It has very good resistance to seawater splash, mineral oils, petroleum, vegetable oils, animal oils, and mechanical wear.<br>Not recommended against acids and oxidizing solution. |
| <b>Recommended Use</b>     | As a finish coat on interior or exterior of steel structures in corrosive marine and industrial environments.<br>Protective coating for tank interior against seawater, fresh water and petroleum products.                                       |

### Physical Properties

|   |  |              |              |              |
|---|--|--------------|--------------|--------------|
| <b>Finish and Color</b>   | Gloss ,Grey ,White ,Cream and other colors based on order    |              |              |              |
| <b>Drying Time</b>  | <b>Substrate Temperature</b>                                 | <b>10 °C</b> | <b>25 °C</b> | <b>35 °C</b> |
|   | Set to touch <sup>1</sup>                                    | 7 h          | 2 h          | 1.5 h        |
|   | Dry through <sup>1</sup>                                     | 48 h         | 8 h          | 2 h          |
| <sup>1</sup> Drying times are generally related to film thickness, air circulation, humidity, temperature, and number of coats, and will be affected correspondingly. |  |              |              |              |
| <b>Solids By Volume</b>   | 58±3 % (Determined by ISO 3233)                              |              |              |              |
| <b>Theoretical Spreading Rate</b>   | 7.7 m <sup>2</sup> /L in 75 µ DFT                            |              |              |              |
| <b>Specific Gravity</b>   | 1.20±0.05 for mixture of Base and Curing agent.              |              |              |              |
| <b>Flash Point</b>  | Base: 16 °c (Closed Cup)<br>Curing agent: 17 °c (Closed Cup) |              |              |              |

### 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.   |
| <b>Application Conditions</b> | The Surface should be clean and dry completely; The surface temperature should be min. 10 °C and at least 3 °C above the dew point of the air. In the confined spaces, provide adequate ventilation during application and drying. |
| <b>Mixing</b>                 | Base (Part A) : Curing Agent (Part B) = 3 : 1 (by weight)<br>Mix thoroughly together prior to application in the properties with power agitator.   |
| <b>Pot Life</b>               | 8 h at 25 °C   |
| <b>Preceding Coat</b>         | GITIZINC 11021, 11020, 10020, 10020-3, GITICOVER 11040, 11030, 23101, 23121, 23107, 23127, GITIMASTIC 43191, 52141, GITIGUARD 11140, 11240, 22121  |
| <b>Thinning</b>               | Thinner No. 3010<br>Do not dilute each component separately, only the mixture.   |



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|-------------------------------|--|-------|-----------|-----------|-----------|-----------|
| <b>Application Method</b>     | Spray (Airless or Air), Roller or Brush application<br>For airless spray application:<br>Nozzle orifice : 0.017 ~ 0.019"<br>Output pressure : 1800 ~ 2700 psi<br>Spray angle : 40 ~ 60 °<br>(Airless spray data are indicative and subject to adjustment)  |       |           |           |           |           |
| <b>Typical Film Thickness</b> | 75 ~ 100 µm DFT<br>May be specified in another film thickness than indicated depending on purpose and area of use.   |       |           |           |           |           |
| <b>Recoating Interval</b>     | At 25 °C            Minimum : 16 h<br>Maximum : 7 d<br><br>The surface should be dry and free from any contamination prior to application of the subsequent coat.  |       |           |           |           |           |
| <b>Shelf Life</b>             | 18 months in a dry, cool, well ventilated space and away from source of heat and ignition. Containers must be kept tightly closed.   |       |           |           |           |           |
| <b>Heat Resistance</b>        | Continuous : 90 °C (Non immersion Service)<br>Non-Continuous : 120 °C (Non immersion Service)  |       |           |           |           |           |
| <b>Chemical Resistance</b>    |  | Acids | Alkalis   | Solvents  | Salts     | Water     |
|                               | Splash & Spillage  | Good  | Good      | Very Good | Excellent | Excellent |
|                               | Fumes  | Good  | Excellent | Excellent | Excellent | Excellent |
|                               | Immersion  | Fair  | Good      | Excellent | Excellent | Excellent |
| <b>Standard Packing Unit</b>  | 9.6 kg base , 3.2 kg GITICURE 10050  |       |           |           |           |           |
| <b>Health And Safety</b>      | Do not store at temperature below 10 °C or above 30 °C.<br>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. |       |           |           |           |           |
| <b>Rev.05</b>                 | Sept. 2020   |       |           |           |           |           |