



# GITIGUARD 51151

GITI ASSA Co.

<b>Product Description</b>	Two-pack high- build, polyamine cured epoxy based coating with excellent resistance to sea water. It can be applied over new or old steel, requiring only removing loose rust and scale, and applying over most existing coatings. Also, it is suitable for immersion service in sea water over abrasive blasted surfaces.
<b>Recommended Use</b>	Recommended as middle or finish coating for areas which requires coating of exceptional abrasion resistance, corrosion resistance, and durability.

## Physical Properties

<b>Finish and Color</b>	Gloss, Grey and other colors based on order			
<b>Drying Time</b>	Substrate Temperature	10 °C	25 °C	35 °C
	Set to touch <sup>1</sup>	9 h	3 h	1 h
	Dry through <sup>1</sup>	24 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>	80±2% (Determined by ISO 3233)			
<b>Theoretical Spreading Rate</b>	8.0 m <sup>2</sup> /L in 100 µm DFT			
<b>Specific Gravity</b>	1.40±0.05 for mixture of Base and Curing agent.			
<b>Flash Point</b>	Base: 29°C (Closed Cup) Curing agent: 52°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. 5 °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) = 5 : 1 (by weight) Mix thoroughly together prior to application in the properties with power agitator.
<b>Pot Life</b>	1 h at 25 °C
<b>Preceding Coat</b>	GITIZINC 11020, 11020, GITICOVER 11040, 11030, 11041, 11031 GITIGUARD 11240
<b>Thinning</b>	Thinner No. 3010 Do not dilute each component separately, only the mixture.
<b>Application Method</b>	Spray (Airless or Air), Roller or Brush application For airless spray application: Nozzle orifice : 0.019 ~ 0.021" Output pressure : 2400 ~ 2700 psi Spray angle : 40 ~ 60° (Airless spray data are indicative and subject to adjustment)



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<b>Typical Film Thickness</b>	100 ~ 200 $\mu\text{m}$ DFT 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 Maximum : 7 d The surface should be dry and free from any contamination prior to application of the subsequent coat.																								
<b>Subsequent Coat</b>	GITIDUR 31201, 32201, 31211, 32211, for exposed area.																								
<b>Shelf Life</b>	12 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) Non-continuous : 120 °C (Non-immersion service)																								
<b>Chemical Resistance</b>	<table border="1"><thead><tr><th></th><th>Acids</th><th>Alkalis</th><th>Solvents</th><th>Salts</th><th>Water</th></tr></thead><tbody><tr><td>Splash &amp; Spillage</td><td>Good</td><td>Good</td><td>Good</td><td>Excellent</td><td>Excellent</td></tr><tr><td>Fumes</td><td>Good</td><td>Good</td><td>Good</td><td>Excellent</td><td>Excellent</td></tr><tr><td>Immersion</td><td>Fair</td><td>Fair</td><td>Good</td><td>Excellent</td><td>Excellent</td></tr></tbody></table>		Acids	Alkalis	Solvents	Salts	Water	Splash & Spillage	Good	Good	Good	Excellent	Excellent	Fumes	Good	Good	Good	Excellent	Excellent	Immersion	Fair	Fair	Good	Excellent	Excellent
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<b>Standard Packing Unit</b>	20 kg base , 4 kg GITICURE 12099																								
<b>Health and safety</b>	Do not store at temperature below 10 °C or above 30 °C. 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>	Mar. 2019																								