



GITIGUARD 22121

GITI ASSA Co.

Product Description	Two-pack polyamide cured epoxy based, high-build coating. It provides a hard and tough film with very good resistance to abrasion, and a wide range of acids, alkalis and chemicals followed by suitable topcoat.
Recommended Use	As an intermediate coating for long life protection of tanks interior in severe corrosive environments and subject to mechanical wear such as offshore plants, piping, highway bridges, chemical exposed areas and structural steels.

Physical Properties

Finish and Color	Semi-gloss, Grey ,Cream and other colors based on order			
Drying Time	Substrate Temperature	10 °C	25 °C	35 °C
	Set to touch ¹	3 h	2 h	1 h
	Dry through ¹	72 h	8 h	2 h
	¹ Drying times are generally related to film thickness, air circulation, humidity, temperature, and number of coats, and will be affected correspondingly.			
Solids By Volume	62±2 % (Determined by ISO 3233)			
Theoretical Spreading Rate	6.2 m ² /L in 100 µm DFT.			
Specific Gravity	1.35±0.05 for mixture of Base and Curing agent.			
Flash Point	Base: 15°c (Closed Cup) Curing agent: 37°c (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.
Application Conditions	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.
Mixing	Base (Part A) : Curing Agent (Part B) = 6 : 1 (by weight) Mix thoroughly together prior to application in the properties with power agitator.
Pot Life	8 h at 25 °C
Preceding Coat	GITIZINC 11021, 11020, 10020, GITICOVER 11040, 11030 GITIGUARD 11240
Thinning	Thinner No. 3010 Do not dilute each component separately, only the mixture.
Application Method	Spray (Airless or Air), Roller or Brush application For airless spray application: Nozzle orifice : 0.017 ~ 0.021" Output pressure : 2100 ~ 2400 psi Spray angle : 40 ~ 60 ° (Airless spray data are indicative and subject to adjustment)



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Typical Film Thickness	100 ~ 200 µm DFT May be specified in another film thickness than indicated depending on purpose and area of use.																									
Recoating Interval	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.																									
Subsequent Coat	GITIDUR 31201, 32201, 31211, 32211, GITICOVER 31101, GITIGURD 31121																									
Shelf Life	18 months in a dry, cool, well ventilated space and away from source of heat and ignition. Containers must be kept tightly closed.																									
Heat Resistance	Continuous : 90 °C (Non immersion Service) Non-Continuous : 120 °C (Non immersion Service)																									
Chemical Resistance	<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 & Spillage</td><td>Fair</td><td>Excellent</td><td>Good</td><td>Excellent</td><td>Excellent</td></tr><tr><td>Fumes</td><td>Good</td><td>Excellent</td><td>Good</td><td>Excellent</td><td>Excellent</td></tr><tr><td>Immersion</td><td>NR</td><td>NR</td><td>Good</td><td>Good</td><td>Good</td></tr></tbody></table>		Acids	Alkalis	Solvents	Salts	Water	Splash & Spillage	Fair	Excellent	Good	Excellent	Excellent	Fumes	Good	Excellent	Good	Excellent	Excellent	Immersion	NR	NR	Good	Good	Good	
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Standard Packing Unit	16.8 kg base , 2.8 kg GITICURE 10080																									
Health and safety	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.																									
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