



GITIMASTIC 51161

GITI ASSA Co.

Product Description	A two-pack solvent free, amine cured epoxy based with excellent resistance to water and abrasion. Also it provides a hard and tough film with long term durability.
Recommended Use	Recommended as a finish coat for area which requires exceptional resistance to abrasion and corrosion such as offshore plant, piping & exposed structural steel.

Physical Properties

Finish and Color	Gloss, Cream and other colors based on order			
Drying Time	Substrate Temperature	10 °C	25 °C	35 °C
	Set to touch ¹	12 h	6 h	3.5 h
	Dry through ¹	72 h	9 h	4 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	96±3% (Determined by ISO 3233)			
Theoretical Spreading Rate	3.2 m ² /L in 300 µm DFT			
Specific Gravity	1.50±0.05 for mixture of Base and Curing agent.			
Flash Point	Base: 30°c (Closed Cup) Curing agent: 52°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. * Bare steel: Blast cleaning to Sa2.5 (ISO 8501-1:2007). Roughness: using suitable abrasive to achieve 50 ~ 75 µm (ISO 8503-2).
Application Conditions	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.
Mixing	Base : Curing Agent = 5 : 1 (by weight) Mix thoroughly together prior to application in the properties with power agitator.
Pot Life	1 h at 25 °C
Preceding Coat	GITICOVER11040,11030,11041,11031, GITIZINC11021,11020, GITIGUARD11240
Thinning	None Thinner No.3010 (if necessary)
Application Method	Spray (Airless or Air), Roller or Brush application For airless spray application: Nozzle orifice : 0.021 ~ 0.025" Output pressure : 2400 ~ 3000 psi Spray angle : 40 ~ 60° (Airless spray data are indicative and subject to adjustment)



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Typical Film Thickness	250 ~ 300 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.					
Shelf Life	12 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		Acids	Alkalis	Solvents	Salts	Water
	Splash & Spillage	Good	Good	Good	Excellent	Excellent
	Fumes	Good	Good	Good	Excellent	Excellent
	Immersion	Fair	Fair	Good	Excellent	Excellent
Standard Packing Unit	20 kg Base , 4 kg GITICURE 12099					
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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