



GITIDUR 31201

GITI ASSA Co.

Product Description	A two-pack non-yellowing polyurethane finish coat based on acrylic and aliphatic isocyanate with excellent weather resistance and color retention. It has good resistance against splash and spillage of acids, alkalis, solvents, salts and water so provides long life time to exposed surfaces.
Recommended Use	As a finish coat on steel structures under severe chemical or weathering corrosion condition in chemical plants, petroleum industries, offshore platforms and marine equipment.

Physical Properties

Finish and Color	High Gloss, White, Grey, Blue, Green, Red and other colors based on order			
Drying Time	Substrate Temperature	10 °C	25 °C	35 °C
	Set to touch ¹	5 h	1.5 h	1.5 h
	Dry through ¹	24 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	45±3% (Determined by ISO 3233)			
Theoretical Spreading Rate	9.0 m ² /L in 50 µm DFT			
Specific Gravity	1.25±0.1 for mixture of Base and Curing agent.			
Flash Point	Base: 17°c (Closed Cup) Curing agent: 8°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 cleaned and dried completely. Do not apply when relative humidity is above 85 %. The surface temperature should be at least 3°C above dew point to prevent condensation. In confined spaces, provide adequate ventilation during application and drying.
Mixing	Base (Part A) : Curing Agent (Part B) = 4 : 1 (by weight)(for dark color) Base (Part A) : Curing Agent (Part B) = 5 : 1 (by weight)(for light color) Mix thoroughly together prior to application in the properties with power agitator.
Pot Life	8 h at 25 °C
Preceding Coat	GITIZINC 11021, 11020, GITICOVER 23101, 23121, 24121, 23107, 23127, GITIMASTIC 43191, 52141, 51161
Thinning	Thinner No. 3021 Do not dilute each component separately, only the mixture.



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Application Method	Spray (Airless or Air), Roller or Brush application For airless spray application: Nozzle orifice : 0.015 ~ 0.017" Output pressure : 1800 ~ 2400 psi Spray angle : 40 ~ 60° (Airless spray data are indicative and subject to adjustment)					
Typical Film Thickness	50 ~60 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 : Free 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	Fair	Excellent	Excellent
	Fumes	Good	Good	Good	Excellent	Excellent
Standard Packing Unit	12.8 kg base, 3.2 kg GITICURE 16037(for dark colors) 16 kg base, 3.2 kg GITICURE 16037(for light colors)					
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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