



GITINYL 14431

GITI ASSA Co.

Product Description	A two-component etching primer contains phosphoric acid and rust preventing pigments. It cures chemically by reaction of the mixed components.
Recommended Use	As a pretreatment primer for using on non-ferrous metals such as aluminum and light alloys as well as galvanized steel.

Physical Properties

Finish and Color	Matt, Light yellow			
Drying Time	Substrate Temperature	10 °C	25 °C	35 °C
	Set to touch ¹	30 min	10 min	5 min
	Dry through ¹	2 h	30 min	10 min
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	Approx. 12±3% (Determined by ISO 3233)			
Theoretical Spreading Rate	12.0 m ² /L in 10 µm DFT			
Specific Gravity	0.95±0.05 for mixture of Base and Curing agent.			
Flash Point	Base: 15°C (Closed Cup) Curing agent: 23°C (Closed Cup)			

Application Details

Surface Preparation	<p>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.</p> <p>In case of hot dip galvanized steel surfaces which are shine and glossy, light sand papering or grinding is recommended to secure good adhesion to substrates.</p>
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 (Part A) : Curing Agent (Part B) = 4 : 1 (by weight) Mix thoroughly together prior to application in the properties with power agitator.
Pot Life	8 h at 25 °C
Thinning	Thinner No. 3044 Do not dilute each components separately, only the mixture.
Application Method	Spray (Airless o Air), Roller or Brush application For airless spray application ; Nozzle orifice : 0.013 ~ 0.015" Output pressure : 1800 ~ 2100 psi Spray angle : 40 ~ 60° (Airless spray data are indicative and subject to adjustment)



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Typical Film Thickness	10 ~ 15 µm DFT May be specified in another film thickness than indicated depending on purpose and area of use.																		
Recoating Interval	At 25 °C Minimum : 4 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 : 7· °C (Non-immersion service) Non-continuous : 8· °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>Good</td><td>Good</td><td>Good</td><td>Good</td></tr><tr><td>Fumes</td><td>Good</td><td>Good</td><td>Good</td><td>Excellent</td><td>Excellent</td></tr></tbody></table>		Acids	Alkalis	Solvents	Salts	Water	Splash & Spillage	Fair	Good	Good	Good	Good	Fumes	Good	Good	Good	Excellent	Excellent
	Acids	Alkalis	Solvents	Salts	Water														
Splash & Spillage	Fair	Good	Good	Good	Good														
Fumes	Good	Good	Good	Excellent	Excellent														
Standard Packing Unit	12 kg base , 3 kg GITICURE 21050																		
Health and safety	GITINYL 14431 contains phosphoric acid. Handle with care. Keep containers closed and away from heat, sparks and flame. Avoid prolonged breathing of solvent vapors. Use with adequate ventilation. Respiratory protection is recommended during application in confined spaces or stagnant air. Do not store at temperature below 10 °C or above 30 °C.																		
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