



## GITITERM 14121

GITI ASSA Co.

<b>Product Description</b>	A pure silicone resin based heat resistant primer which contains inorganic pigments. After curing, the coating has very good resistance to chemical shock conditions from substrate temperature to 400 °C, and provides excellent rust preventing property.
<b>Recommended Use</b>	As a heat resistant primer for using on stoves, motors, boilers, heaters, mufflers, ventilators, steam lines and similar thermal implements operating from ambient temperature to 400 °C. As a touch up primer for GITIZINC 10020 in thermal cycles.

### Physical Properties

<b>Finish and Color</b>	Flat, Grey			
<b>Drying Time</b>	<b>Substrate Temperature</b>	10 °C	25 °C	35 °C
	Set to touch	4 h	1 h	30 min
	Dry to hard	24 h	10 h	8 h
* For full hardness, the coating should be exposed in service at temperature of 200 °C over 1 hour time period.				
<b>Solids By Volume</b>	58±2% (Determined by ISO 3233)			
<b>Theoretical Spreading Rate</b>	14.5 m <sup>2</sup> /L in 40 µm DFT			
<b>Specific Gravity</b>	3.00±0.10			
<b>Flash Point</b>	22°c (Closed Cup)			

### Application Details

<b>Surface Preparation</b>	Remove oil, grease, dirt and any other contaminants from the surface. The surface should be assessed and treated in accordance with ISO 8504. * Bare steel: Blast cleaning to Sa2.5 or power tool cleaning to St3.0 (ISO 8501-1:2007). Roughness: using suitable abrasive to achieve 25 ~ 50 µm (ISO 8503-2).
<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>Thinning</b>	Thinner No. 2040
<b>Application Method</b>	Spray (Airless or Air) or Brush application. For airless spray application: Nozzle orifice : 0.015 ~ 0.017" Output pressure : 1800 ~ 2100 psi Spray angle : 40~60° (Airless spray data are indicative and subject to adjustment)
<b>Typical Film Thickness</b>	40 ~ 50 µm DFT May be specified in another film thickness than indicated depending on purpose and area of use.



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<b>Recoating Interval</b>	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.					
<b>Subsequent Coat</b>	GITITERM 32401, 32409, 33419					
<b>Shelf Life</b>	3 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 : 400 °C (Non-immersion service)					
<b>Chemical Resistance</b>		Acids	Alkalis	Solvents	Salts	Water
	Splash & Spillage	NR	NR	NR	Good	Excellent
	Fumes	Poor	Poor	Poor	Fair	Excellent
	* NR : Not Recommended					
<b>Standard Packing Unit</b>	8 kg , 32 kg					
<b>Health and safety</b>	<p>The packing should be turned regularly twice a month to prevent the deposition.</p> <p>Avoid prolonged breathing of solvent vapors.</p> <p>Use with adequate ventilation.</p> <p>Respiratory protection is recommended during application in confined spaces or stagnant air.</p> <p>Keep away from sparks and open flames.</p> <p>Although this product air dry rapidly, it remain somewhat soft until exposed to heat over 200 °C, and may be susceptible to mechanical damage.</p> <p>However, it is unaffected by moderate term weather exposure.</p>					
<b>Rev.02</b>	Nov.2015					