



GITITERM 14121

GITI ASSA Co.

Product Description	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.
Recommended Use	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 or GITIZINC 10020-3 in thermal cycles.

Physical Properties

Finish and Color	Matt, Grey			
Drying Time	Substrate Temperature	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.			
Solids By Volume	58±3% (Determined by ISO 3233)			
Theoretical Spreading Rate	14.5 m ² /L in 40 µm DFT			
Specific Gravity	3.00±0.10			
Flash Point	22°c (Closed Cup)			

Application Details

Surface Preparation	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).
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.
Thinning	Thinner No. 2040
Application Method	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)
Typical Film Thickness	40 ~ 50 µm DFT May be specified in another film thickness than indicated depending on purpose and area of use.



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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.					
Subsequent Coat	GITITERM 32401, 32409, 33419					
Shelf Life	3 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 : 400 °C (Non-immersion service)					
Chemical Resistance		Acids	Alkalis	Solvents	Salts	Water
	Splash & Spillage	NR	NR	NR	Good	Excellent
	Fumes	Poor	Poor	Poor	Fair	Excellent
	* NR : Not Recommended					
Standard Packing Unit	8 kg , 32 kg					
Health and safety	<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>					
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