



## **GITIZINC 10020-3**

**GITI ASSA Co.**

<b>Product Description</b>	Three-pack, quick curing, high performance zinc-rich ethyl silicate based coating that meets the compositional requirements based on SSPC Paint 20 level 1 and ISO 12944.
<b>Recommended Use</b>	A general purpose, heavy duty, anti-corrosive primer. As the first coat in multiple layer system. As a single coat for long term protection of steel under moderate to severe corrosive environment. It shows outstanding workability during application and excellent resistance against weathering and high temperatures up to 400°C. It can be cured in medium R.H (min.50%).

### **Physical Properties**

<b>Finish and Color</b>	Flat, Grey
<b>Drying Time</b>	At 25 °C, 50 % R.H. Set to touch : 5 ~ 10 <sup>1</sup> min Cured <sup>2</sup> : 24 h <sup>1</sup> Drying times are generally related to film thickness, air circulation, humidity, temperature and number of coats and will be affected correspondingly. <sup>2</sup> Curing time to be checked by MEK test (ASTM D 4752-87)
<b>Solids By Volume</b>	52 ± 3% (Determined by ISO 3233)
<b>Theoretical Spreading Rate</b>	8.7 m <sup>2</sup> /L at 60 µm DFT
<b>Specific Gravity</b>	2.40 ± 0.1 for Mixture of base, Zinc-filler & filler
<b>Flash Point</b>	Base: 7°C (Closed Cup) Zinc filler: N.A. Filler: N.A

### **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 Sa3 (ISO 8501-1:2007). Roughness: using suitable abrasive to achieve 50 ~ 75 µm (ISO 8503-2). * Other surface: The coating may be used on the other substrates. Please contact GITI ASSA office for more information.
<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. Zinc silicate paints in general require moisture for curing. At low humidity the curing will be improved by gently sprinkling fresh water over the paint film, and /or by artificial humidification of the surrounding atmosphere.



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<b>Mixing</b>	Base: Zinc filler: filler = 7.7 : 19.2 : 1 (by weight) Pour the filler into the liquid (base) during mechanical mixing. Then pour the zinc filler slowly into the mixture. Stir until lump free and pass through a 60 mesh sieve.					
<b>Pot Life</b>	8 h at 25 °C and R.H. 50 %					
<b>Thinning</b>	Thinner No. 3000					
<b>Application Method</b>	Spray (Airless or Air) application. For airless spray application Nozzle orifice : 0.017 ~ 0.019" Output pressure : 2100 ~ 2400 psi Spray angle : 40~60°					
<b>Typical Film Thickness</b>	60 ~ 75 µm dry film.					
<b>Recoating Interval (with others)</b>	At 25 °C and R.H. 50 %:      Minimum : 24 h Maximum : Free The surface should be free from zinc salts and other contamination prior to application of the subsequent coat.					
<b>Subsequent Coat</b>	GITICOVER 81050, 23101, 23121, 24121, 31101, 23107, 23127, GITIMASTIC 43191, 52141, 51161, GITIGUARD 22121, 31121, GITITERM 32401, 32409, 33419					
<b>Shelf Life</b>	6 months for base, 12 months for zinc filler & filler 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) Non-continuous : 427 °C (Non-immersion service)					
<b>Chemical Resistance</b>		<b>Acids</b>	<b>Alkalis</b>	<b>Solvents</b>	<b>Salts</b>	<b>Water</b>
	Splash & Spillage	Fair	Fair	Excellent	Excellent	Excellent
	Fumes	Good	Good	Excellent	Excellent	Excellent
	Immersion	NR	NR	Excellent	NR	NR
*NR : Not Recommended						
<b>Standard Packing Unit</b>	Base: 3.32 kg Zinc Filler: 8.25 kg Filler: 0.43 kg					
<b>Health and safety</b>	Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Do not breathe or inhale mist. Avoid skin contact. Spillage on the skin should be immediately removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.					
<b>Rev.00</b>	Oct. 2020					