

GAZ- CR06 Zinc graphite Primer



Product Code : **GAZ-CR06** (Zinc Graphite Primer)

Description : An excellent anti corrosive zinc graphite heat resistant primer formulated based on modified silicone resin.

Recommended Use : Designed to be a heat resistant primer for steel structures subjected to temperatures up to 600°C of Industrial environments : petrochemical plants, power stations an offshore structure etc.
To be over coated with high resisting aluminium finish
Capable of withstanding dry heat up to 600°C

Performance

- Excellent anti corrosive property
- Excellent resistance to moisture
- Excellent resistant to aliphatic solvents
- Moderate resistance to corrosive chemicals
- Excellent resistance to weather

Physical Properties

Volume Solids 53%
Theoretical Coverage 13.2m²/litre @ 40 microns DFT
Type Two components
Packing Ratio 4.35 litres Base : 0.65 litre Zinc powder
Colour Availability Grey
Flash point 38°C
Recommended Thickness 40 microns DFT
Recommended Thinner Thinner No.2

Practical Application	Airless Spray	Conventional Spray	Brush	Roller
Rates – Microns per coat				
Dry	40	40	40	40
Wet	75	75	75	75

Average Drying Time

Ambient Temperature	Touch Dry	Hard Dry	Overcoating Interval		PotLife
			Minimum	Maximum	
15°C	15 minutes	2 Hours	32Hours	Indefinite	32 Hours
25°C	10 minutes	1 Hours	16 Hours	Indefinite	24 Hours
35°C	5 minutes	1/2 Hours	8 Hours	Indefinite	16 Hours

* This product will cure only when the temperature is raised to above 200° for a minimum of 5 hours.

Packing 5 litres
Shelf Life 12 months under normal condition

Surface Preparation

Steel

Remove all max, oil and grease by solvent cleaning in accordance with the guideline given by SSPC-SP1.

Abrasive blast clean to Sa2.5 (ISO8501-1:1988) or SSPC-SP10

An average surface profile in the range of 50-75 microns in acceptable.

The surface to be coated must be clean and dry and free from all visible traces of surface contaminants.

Application Data

Application methods Brush/ Roller, Conventional Spray and Airless Spray

Mixing ratio (By volume) 4.35 parts Base to 0.65 part Zinc powder

Thinner Thinner No.2

Airless Spray	Nozzle Size	: 0.48-0.53mm (19-21thou)
	Fan Angle	: 80°
	Operating Pressure	: 140-165kg/cm ² (2000-2400 psi)

Conventional Spray	Nozzle Size	: 1.27mm (50 thou)
	Atomizing Pressure	: 3.5kg/cm ² (50 psi)
	Fluid Pressure	: 0.7-1.0kg/cm ² (10-15 psi)

Brush This product is suitable for brush application.

Roller This product is suitable for roller application.



Application
method



65° spraying tip



Practice proper
cleaning

Application Conditions And Over coating

This product should preferably be applied at temperature in excess of 10°C .In conditions of high relative humidity i.e 80-85%, good ventilation conditions are essential. Substrate temperature should be at least 3°C above the dew point.

At temperature below 10°C, drying and curing time will be significantly impaired.

Application at temperature below 5°C is not recommended.

Health And Safety

Consult Chemical Safety Data Sheet for information on safe handling and application of this product.



Keep seal tight



Secure upright



Wear proper
protection



Practice proper
disposal

Disclaimer

The information in this sheet is provided the best of our knowledge based on laboratory testing and practical experience. However, as the product is often under conditions beyond the manufacture's control, it is the sole responsibility of the buyer to obtain confirmation from the suitability of the product for the intended use. Therefore, the manufacturer can accept no liability for the performance of the product, or any loss or damage arising out of such use. The information detailed in this data sheet is subject to change without notice in light of experience and of normal product development.