# GAZ- CR06 Zinc graphite Primer

GAZPRO LUBRICANTS

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

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| 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 Rates – Microns per coat

| | Airless Spray | Conventional Spray | Brush | Roller |
|---|---|---|---|---|
| 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

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| **Surface Preparation** | **Steel**<br>Remove all max, oil and grease by solvent cleaning in accordance with the guideline given by SSPC-SP1.<br>Abrasive blast clean to Sa2.5 (ISO8501-1:1988) or SSPC-SP10<br>An average surface profile in the range of 50-75 microns in acceptable.<br>The surface to be coated must be clean and dry and free from all visible traces of surface contaminants. |

**Application Data**

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| 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/cm² (2000-2400 psi) |
| Conventional Spray | Nozzle Size | : 1.27mm (50 thou) |
| | Atomizing Pressure | : 3.5kg/cm² (50 psi) |
| | Fluid Pressure | : 0.7-1.0kg/cm² (10-15 psi) |
| Brush | This product is suitable for brush application. | |
| Roller | This product is suitable for roller application. | |


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| **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.<br>At temperature below 10°C, drying and curing time will be significantly impaired.<br>**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. |