

GAZ- CR05 High Temp Bitumenous Primer



Product Code	: GAZ-CR05 (High Temp Bitumenous Primer)																								
Description	: A two component black bitumen coating that provides excellent anti-corrosion property for “hot-Wet” metal surfaces subjected to very high temperature.																								
Recommended Use	: Designed to provide continuous immersion in water or steam between 93°C to 540°C. Anti-corrosive coating for boiler drums, tubes, evaporators and other equipment subjected to high temperature.																								
Performance	<ul style="list-style-type: none">• Excellent anti-corrosive property• Easy application property by brush, roller or spray• Good resistance to chemicals, abrasion and weather• Low permeability and waterproof to moisture and steam• Most suitable use as a finish coating for surfaces in contact with fresh or salt water.																								
<hr/>																									
Physical Properties																									
Volume Solids	40%																								
Theoretical Coverage	10m ² /litre @ 40 microns DFT																								
Type	Two components																								
Packing Ratio	4 part medium : 1 part reducer																								
Colour Availability	Black																								
Flash point	38°C																								
Recommended Thickness	40 microns DFT																								
Recommended Thinner	Thinner No.1																								
<hr/>																									
Practical Application	Airless Spray		Conventional Spray	Brush	Roller																				
Rates – Microns per coat	Dry	40	40	40	40																				
	Wet	100	100	100	100																				
<hr/>																									
Average Drying Time	<table><thead><tr><th rowspan="2">Ambient Temperature</th><th rowspan="2">Touch Dry</th><th rowspan="2">Hard Dry</th><th colspan="2">Over coating Interval</th><th rowspan="2">Pot Life</th></tr><tr><th>Minimum</th><th>Maximum</th></tr></thead><tbody><tr><td>15°C</td><td>12 Hours</td><td rowspan="9">* See Below</td><td>32 Hours</td><td>Indefinite</td><td>14 Days</td></tr><tr><td>25°C</td><td>6 Hours</td><td>16 Hours</td><td>Indefinite</td><td>14 Days</td></tr><tr><td>35°C</td><td>4 Hours</td><td>12 Hours</td><td>Indefinite</td><td>14 Days</td></tr></tbody></table>	Ambient Temperature	Touch Dry	Hard Dry	Over coating Interval		Pot Life	Minimum	Maximum	15°C	12 Hours	* See Below	32 Hours	Indefinite	14 Days	25°C	6 Hours	16 Hours	Indefinite	14 Days	35°C	4 Hours	12 Hours	Indefinite	14 Days
Ambient Temperature	Touch Dry				Hard Dry	Over coating Interval		Pot Life																	
		Minimum	Maximum																						
15°C	12 Hours	* See Below	32 Hours	Indefinite	14 Days																				
25°C	6 Hours		16 Hours	Indefinite	14 Days																				
35°C	4 Hours		12 Hours	Indefinite	14 Days																				
	* This coating will hard dry when temperature is taken to 100°C for 5 hours.																								
<hr/>																									
Packing	5 litres																								
Shelf Life	12 months under normal condition																								
<hr/>																									
Surface Preparation	Steel. Remove all max, oil and grease by solvent cleaning in accordance with the guideline given by SSPC-SP1. Soluble salt, dirt and dust must be removed prior to coating, Dry brushing should be sufficient. A fresh water wash must be followed to remove all soluble salts. Mechanically clean the surface using hand and power tools to a minimum standard of St.2(ISO8501-1:1988) or SSPC-SP2 to avoid polishing the surface.																								

Concrete

To ensure the surface is sound prior to coating. Remove laitance by thorough wire-brushing, acid etching or sweep blasting. Blowholes and other defects should be filled.

Application Data

Application methods Brush/ Roller or Conventional Spray
Mixing ratio (By volume) 4 parts Base to 1 part Reducer
Thinner Thinner No.1 (Maximum 5% addition)

Airless Spray

May be used. (Ensure no over application)
Nozzle Size : 0.28-0.38mm (11-15thou)
Fan Angle : 65°
Operating Pressure : 110-160kg/cm² (1800-2300 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/ Roller

This product is suitable for brush/roller application. Application of minimum two coats to give an even application and ensure consistent performance.



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.

This product is not suitable when surface temperature is above 52°C. Use **GAZ-CR04** instead. Do not overcoat this product with other finishes as this product has the tendency to bleed and also not suitable for portable water tanks application.

Health And Safety

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



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 manufacturer'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.