

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

- 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.

Physical Properties

Volume Solids 40%
Theoretical Coverage 10m²/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

Practical Application	Airless Spray	Conventional Spray	Brush	Roller
Rates – Microns per coat				
Dry	40	40	40	40
Wet	100	100	100	100

Average Drying Time	Ambient Temperature	Touch Dry	Hard Dry	Over coating Interval		Pot Life
				Minimum	Maximum	
	15°C	12 Hours	* See Below	32Hours	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.

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.

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.

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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 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.

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.



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.