



CL 9310 HEAVY DUTY COATING PRIMER

CL 9310 is an excellent anti corrosive zinc graphite heat resistant primer formulated based on modified silicone resin. Before apply, remove all wax, oil and grease by solvent cleaning in accordance with the guideline given by SSPC-SP1. An average surface profile in the range of 50-75 microns is acceptable. The surface to be coated must clean and dry and free from all visible traces of surface contaminants.

Technical Information

Recommended Use

CL 9310 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 structures etc. To be over-coated with high resisting steel coat finish. Capable of withstanding dry heat up to 600°C.

Performance

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

Physical Properties

Volume Solids	53%
Theoretical Coverage	13.2 m ² /litre @ 40 microns DFT
Flash point	38°C (mixed)
Type	Two components
Packing Ratio	4.5 litres Base : 0.5 litre Hardener
Colour Availability	Grey
Recommended Thickness	40 microns DFT
Recommended Thinner	Thinner No. 2

Average Drying Time

Ambient Temperature	Touch Dry	Hard Dry	Overcoating Interval		PotLife
			Minimum	Maximum	
15°C	15 mins.	2 hours	32 hours	Indefinite	32 hours
25°C	10 mins.	1 hour	16 hours	Indefinite	24 hours
35°C	5 mins.	0.5 hours	8 hours	Indefinite	16 hours

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

Application Data

Application Brush/Roller, Conventional Spray and Airless

Methods Spray

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

Thinner Thinner No. 2

Thinner Brush/Roller-0-5%

Consumption Conventional Spray-5-10%

Airless Spray-0-5%

Airless Nozzle Size : 0.48-0.53mm (19-21 thou)

Spray Fan Angle : 80°

Operating Pressure : 140-165 kg/cm²(2000-2400 psi)

Conventional Nozzle Size : 1.27mm (50 thou)

Spray Atomising Pressure : 3.5 kg/cm²(50 psi)

Fluid Pressure : 0.7-1.0 kg/cm²(10-15 psi)

Brush This product is suitable for brush application.

Health and Safety

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



Application method



65° spraying tip



Practice proper cleaning

Application Conditions and Overcoating

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 application temperature below 10°C, drying and curing time will be significantly impaired.
Application at temperature below 5°C is not recommended.