CL 9490 HIGH SOLID EPOXY MASTIC COATING

CL 9490 is a self-priming surface tolerant high build high solid epoxy mastic coating.
CL 9490 is designed to provide tough barrier coating for steel where blast cleaning is neither practical or economical.
CL 9490 can be applied over aged single pack coating or existing two pack coating and capable of withstanding dry heat up to 120ºC. Tolerant to a rusty surface that is only mechanically or hand and power tool cleaned surface.
It can be overcoated with conventional and two pack coatings.
CL 9490 is a maintenance coating for non-blasted steel : process equipment, pipes and storage tank etc.

Performance

- Excellent anti-corrosive property
- Excellent resistance to petroleum solvents and aliphatic solvents
- Excellent resistance to moisture
- Moderate resistance to abrasion and weather

Surface Preparation

Steel

Remove all wax, 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.

Physical Properties

Volume Solids	: 77%
Theoretical Coverage	: 5.15 m²/litre @ 150 microns DFT
Type	: Two components
Packing Ratio	: 2.5 litres Base : 2.5 litres Hardener
Colour Availability	: Aluminium and limited Colour Range
Flash point	: 41˚C (mixed)
Recommended Thickness	: 150 microns DFT

Average Drying Time

Ambient Temperature	Touch Dry	Hard Dry	Overcoating Interval		PotLife
			Minimum	Maximum	
15˚C	12 hours	48 hours	48 hours	Indefinite	16 hours
25˚C	6 hours	24 hours	24 hours	Indefinite	8 hours
35˚C	3 hours	12 hours	12 hours	Indefinite	4 hours

Application Data

Application Methods — Brush/Roller, Airless Spray and Conventional Spray.

Mixing ratio (by volume) 1 parts Base to 1 part Hardener

Airless Spray
Nozzle Size : 0.48-0.58mm (19-23 thou)
Fan Angle : 80˚
Operating Pressure : 110-160 kg/cm² (1600-2300 psi)

Conventional Spray
Nozzle Size : 1.27mm (50 thou)
Atomising Pressure : 3.5 kg/cm² (50 psi)
Fluid Pressure : 0.7-1.0 kg/cm² (10-15 psi)

Brush / Roller
This product is suitable for brush and roller application. Application of more than one coat may be necessary to give equivalent dry film thickness to a single spray applied coat.

Application

	Airless Spray	Conventional Spray	Brush	Roller
Dry	150	150	50	65
Wet	195	195	65	84

HEALTH AND SAFETY

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

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 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.

The maximum air and substrate temperature for application is 40˚C providing conditions allow satisfactory application and film formation. If the air and substrate temperature exceed 40˚C and epoxy coatings are applied under this condition results paint film defects as dry spray, bubbling and pinholing etc. can occur within the coating.