



CL 9440 HIGH BUILD EPOXY COATING

Recommended Use

CL 9440 is a two component high Build epoxy coating.

CL 9440 High Build Epoxy Coating is designed to be a high build intermediate coat or finish coat for the protection of steel and concrete in aggressive conditions.

CL 9440 is suitable for application to pipelines, harbour, shore installations and tank internal & externals.

Performance

- Excellent anti-corrosive performance
 - Excellent resistance to moisture
 - Excellent resistance to petroleum solvents and aliphatic solvents
 - Good resistance to corrosive chemicals
 - Excellent resistance to abrasion
 - Excellent resistance to weather
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Physical Properties

Volume Solids	58%
Theoretical Coverage	4.65 m ² /litre @ 125 microns DFT
Type	Two components
Packing Ratio	3 litres Base : 1 litres Hardener
Colour Availability	Selected colour range.
Flash point	28°C (mixed)
Recommended Thickness	125 microns DFT

Surface Preparation

Steel

Remove all wax, oil and grease by solvent cleaning in accordance with the guidelines given by SSPC-SP1.

Abrasive blast clean to a minimum standard of Sa2.5 (ISO8501-1:1988) or SSPC-SP10.

Average surface profile of 50-75 microns is required.

The surface to be coated must be clean and dry and free from all visible traces of surface contaminants.

Aluminium

The surface to be coated should be degreased and abraded with Thinner and wet or dry paper

before application of recommended primers.

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.

Practical Application

	Airless Spray	Conventional Spray	Brush	Roller
Dry	125	125	60	75
Wet	215	215	86	112

Average Drying Time

Ambient Temperature	Touch Dry	Hard Dry	Overcoating Interval		PotLife
			Minimum	Maximum	
15°C	6 hours	32 hours	32 hours	Indefinite	12 hours
25°C	3 hours	16 hours	16 hours	Indefinite	6 hours
35°C	2 hours	12 hours	12 hours	Indefinite	3 hours

Application Data

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

Mixing ratio (by volume) 3 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 : 1.1 kg/cm² (15 psi)

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



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.

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 such as dry spray, bubbling and pinholing etc. can occur within the coating.

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