



CL 9460 HIGH GLOSS & DURABLE EPOXY COATING

Recommended Use

CL 9460 is a two component epoxy coating specially formulated to provide an attractive high gloss and durable finish.

CL 9460 is designed to provide a durable finish for brush or roller application for interior or exterior use in conjunction with appropriate primers and undercoats. A high gloss finish for steelwork or non-ferrous substrates, suitable as tank lining for aviation fuel tanks and as a colourful topcoat for flooring system.

Performance

- Excellent gloss and colour retention for exterior application
 - High resistance to impact and abrasion
 - Easy application property
 - Excellent adhesion to aged epoxy coating
 - Resistance to spillage of splashes of mild chemicals
 - Able to withstand dry heat up to 100°C continuous and 120°C intermittent
 - Most suitable for use as a finish coat or coats with epoxy and polyurethane based protective system.
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Physical Properties

Volume Solids	50%
Theoretical Coverage	10 m ² /litre @ 50 microns DFT
Type	Two components
Packing Ratio	3.75 litres Base : 1.25 litres Hardener
Colour Availability	Selected colour range.
Flash point	30°C (mixed)
Recommended Thickness	50 microns DFT

Surface Preparation

The surface to be coated must be clean and dry and free from all visible traces of surface contaminants. Always ensure the maximum overcoating time for the primer/build coat does not exceed prior to application.

Practical Application

	Airless Spray	Conventional Spray	Brush	Roller
Dry	50	50	25	50
Wet	100	100	50	100

Average Drying Time

Ambient Temperature	Touch Dry	Hard Dry	Overcoating Interval		Potlife
			Minimum	Maximum	
15°C	2 hours	12 hours	12 hours	10 days	6 hours
25°C	1 hours	6 hours	6 hours	5 days	4 hours
35°C	0.5 hours	4 hours	4 hours	3 days	3 hours

Application Data

Application Methods Airless spray and conventional spray. Brush may be used for smaller area.

Mixing ratio (by volume) 3 parts Base to 1 part Hardener

Airless Spray
 Nozzle Size : 0.28-0.38mm (11-15 thou)
 Fan Angle : 65°
 Operating Pressure : 130- 160 kg/cm² (1800-2300 psi)

Conventional Spray
 Nozzle Size : 1.27mm (50 thou)
 Atomising Pressure : 2.8 kg/cm² (40 psi)
 Fluid Pressure : 0.4 kg/cm² (6 psi)

Brush / Roller
 This product is suitable for brush or roller 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

In conditions of high relative humidity i.e. 80-85%, good ventilation conditions are essential. At application temperature below 10°C, drying and curing time will be significantly extended and spraying characteristic may be 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 coating are applied under this condition results paint film defects such as dry spray, bubbling and pinholing etc. can occur within the coating.

In order to achieve optimum water and chemical resistance, temperature needs to be maintained above 10°C during curing.

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