



CL 9500 HEAVY DUTY POLYURETHANE COATING

CL 9500 Heavy Duty Polyurethane Coating is a high performance fast drying two-component polyurethane high gloss finish for use where long term exterior gloss and colour retention are required.

Recommended Use

CL 9500 Heavy Duty Polyurethane Coating designed to provide maximum outdoor durability with excellent colour and gloss retention properties for new structural steel or for maintenance in aggressive and corrosive environment. Excellent tolerance to low temperature curing conditions.

Performance

- Excellent gloss and colour retention.
- Easy application property.
- Good resistance to chemicals abrasion and weather.
- Most suitable for use as a finish coat or coats with epoxy and polyurethane based protective system.

Physical Properties

Volume Solids	50%
Theoretical Coverage	10 m ² /litre @ 50 microns DFT
Type	Two components
Packing Ratio	4 litres Base : 1 litre Hardener
Colour Availability	Selected Range.
Flash point	30oC (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.

Average Drying Time

Ambient Temperature	Touch Dry	Hard Dry	Overcoating Interval		PotLife
			Minimum	Maximum	
15°C	2.5 hours	24 hours	8 hours	Indefinite	5 hours
25°C	1.5 hours	16 hours	6 hours	Indefinite	4 hours
35°C	1 hours	12 hours	4 hours	Indefinite	2 hours

Application Data

Application Methods	Airless or conventional spray. Brush may be used for smaller area.
Mixing ratio (by volume)	4 parts Base to 1 part Additive
Thinner	Standard Thinner (Maximum 5% addition)
Airless Spray	Nozzle Size : 0.33mm (13 thou) Fan Angle : 65° Operating Pressure : 140 kg/cm ² (2000 psi)
Conventional Spray	Nozzle Size : 1.27mm (50 thou) Atomising Pressure : 3.5 kg/cm ² (50 psi) Fluid Pressure : 0.7-1.0 kg/cm ² (10-15 psi)
Brush	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

Practical Application

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

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

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.

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