



# CL 9510 HIGH BUILD POLYURETHANE COATING

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**CL 9510 High Build Polyurethane Coating** is a high performance fast drying two-component polyurethane high build sheen finish for use where long term exterior gloss and colour retention are required.

## Recommended Use

**CL 9510 High Build 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.

**CL 9510** excellent tolerance to low temperature curing conditions.

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## 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.
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## Physical Properties

Volume Solids	53%
Theoretical Coverage	5.3 m <sup>2</sup> /litre @ 100 microns DFT
Type	Two components
Packing Ratio	4.5 litres Base : 0.5 litre Hardener
Colour Availability	Selected Range.
Flash point	35°C (mixed)
Recommended Thickness	100 microns DFT

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## 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	3 hours	24 hours	10 hours	Indefinite	6 hours
25°C	2 hours	16 hours	8 hours	Indefinite	4 hours
35°C	1.5 hours	12 hours	6 hours	Indefinite	2 hours

## Application Data

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

Mixing ratio (by volume) 9 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<sup>2</sup> (2000 psi)

Conventional Spray Nozzle Size : 1.27mm (50 thou)

Atomising Pressure : 3.5 kg/cm<sup>2</sup> (50 psi)

Fluid Pressure : 0.7-1.0 kg/cm<sup>2</sup> (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	100	100	25
Wet	189	189	47

## 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 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.