



# CL 9420 COAL TAR EPOXY COATING

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## Product Description

**CL 9420** is a high build epoxy polyamide combined with coal tar that has good compatibility with cathodic protection.

**CL 9420** is designed to provide protection of steel/concrete pipelines for harbor and shore installations.

**CL 9420** is an anti-corrosive protection coating for submerged and semi-submerged marine environment application areas: piling, jetties and dock gates. It also used as internal tank lining for crude oil storage tanks.

## Surface Preparation

### Steel

Remove all wax, oil and grease by solvent cleaning in accordance with the guidelines given by SSPC-SP1. When necessary remove weld spatter and round off rough weld seams and sharp edges to a smooth surface. Abrasive blast clean to a minimum standard of Sa2.5 (ISO8501-1:1988) or SSPC-SP10. Any surface defects revealed by blast cleaning should be grounded, filled or treated in a suitable manner. An average surface profile of 50 microns is acceptable but this average surface profile should not exceed 75 microns.

After blasting, all dust must be removed from the surface prior to coating application.

Notes: This product should be applied to a surface that has been blast cleaned. It can be applied either directly to steel or to a suitably primed surface

### 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 with solventless epoxy filler. **CL 9420** may be applied direct to the clean sound concrete surface providing the first coat is thinned.

### Aluminum

The surface should be degreased and abraded with thinner and wet or dry sand paper before the application of epoxy primer. If the primer shows signs of breakdown then a full sweep blast may be required prior to coating application.

## Performance

- Excellent anti-corrosive property
- Excellent resistance to moisture
- Excellent resistance to crude oil immersion
- Good resistance to chemicals, abrasion and weather
- Most suitable use as a finish coating for surfaces in contact with fresh water and salt water.

## Physical Properties

Volume Solids	59 %
Theoretical Coverage	4.7 m <sup>2</sup> /litre @ 125 microns DFT
Type	Two components
Packing Ratio	3 litres Base : 2 litres Hardener
Colour Availability	Black
Flash point	36°C (Mixed)
Recommended Thickness	125 microns DFT

## Application Data

Application	Brush and Airless Spray
Methods	
Mixing ratio (by volume)	3 parts Base to 2 parts hardener
Thinner	Standard Thinner (Maximum 5% addition)
Airless Spray	Nozzle Size : 0.53-0.66mm (21-26 thou) Fan Angle : 80° Operating Pressure : 155 kg/cm <sup>2</sup> (2200 psi)

Brush This product is suitable for brush application. Application of minimum two coats to give an even application and ensure consistent performance.



## Application

	Airless Spray	Brush
Dry	125	75
Wet	212	127

## 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.**

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