



CL 9470 GLASS FLAKE REINFORCED EPOXY COATING

CL 9470 is a two component high solid glass flake reinforced epoxy mastic with anti-corrosive pigmentation.

CL 9470 Glass Flake Reinforced Epoxy Coating are designed to be an anti-corrosive self priming coating of blast cleaned steel structures surfaces and also as a maintenance coating where abrasive blasting is not possible.

The barrier effect of the glass flake makes this product a highly corrosion resistant protective coating. Suitable for use on cathodically protected steel.

For immersed structures a suitable primer may be required.

Performance

- Excellent anti-corrosive performance
- Excellent resistance to immersion in sea water
- Excellent resistance to moisture
- Moderate resistance to corrosive chemicals (acid/alkali)
- Moderate resistance to petroleum solvents and aliphatic solvents
- Excellent resistance to abrasion and weather

Surface Preparation

Steel

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

For optimum performance and for highly corrosive conditions, blasting to Sa3/First Quality or SSPC-SP5 is recommended.

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.

Physical Properties

Volume Solids	: 90%
Theoretical Coverage	: 4.5 m ² /litre @ 200 microns DFT
Type	: Two components
Packing Ratio	: 3.75 litres Base : 1.25 litres Hardener
Colour Availability	: Selected Colour Range
Flash point	: 31°C (mixed)
Recommended Thickness	: 200 microns DFT

Average Drying Time

Ambient Temperature	Touch Dry	Hard Dry	Overcoating Interval		PotLife
			Minimum	Maximum	
15°C	12 hours	24 hours	24 hours	10 days	1.5 hours
25°C	8 hours	16 hours	16 hours	8 days	1 hours
35°C	6 hours	12 hours	12 hours	4 days	1 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 : 0.38-0.53mm (18-21 thou)
 Fan Angle : 65°
 Operating Pressure : 210kg/cm² (3000 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

	Airless Spray	Conventional Spray	Brush	Roller
Dry	200	150	50	65
Wet	222	195	65	84

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 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 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.