

# Cladcote 510

## high solids epoxy

Cladcote 510 is a high performance, self-priming epoxy mastic combining superb adhesion with true barrier properties. Will tolerate compromised surfaces such as hand cleaned steel.

### Typical uses

- Bridges
- Chemical plants
- Concrete surfaces
- Food processing
- Plants
- Power plants
- Pulp and paper plants
- Repaints
- Structural steel
- Tank exteriors
- Waste/water treatment plants

The choice of hardener will affect the colour of cured Cladcote 510 colours, more so for light pastel colours. In addition close matches to architectural colours cannot be achieved in pale pastel colours.

*Please ensure the current Data Sheet and Safety Data Sheet are consulted prior to specification or application of product. If in doubt contact.*

### Physical properties

<b>Vehicle type</b>	Two component epoxy
<b>Hardener</b>	Polyamide/amide
<b>Pigmentation</b>	Chemically resistant
<b>Pot life</b>	1-2 hours at 21°C (standard hardener)
<b>Mix ratio</b>	1:1 (by volume)
<b>Finish</b>	Semi-gloss
<b>Colour</b>	Off-white, selected BS2660, BS5252 and Total Colour System
<b>Dry time (minimum)</b>	Through: 16-24 hours at 21°C
<b>Recoat time (minimum)</b>	24 hours with standard hardener Maximum varies with environmental conditions and topcoat
<b>Primer required</b>	Not normally, however can be applied over Cladzinc 125, CladZinc 120, Zincilate 10, Zincilate 11 or inhibitive primers.
<b>Theoretical coverage</b>	6.9 sq. metres per litre (125 microns DFT) 4.3.sq. metres per litre (200 microns DFT)
<b>Volume solids</b>	86%
<b>Recommended DFT</b>	125-200 microns per coat
<b>Usual no. of coats</b>	1
<b>Abrasion resistance</b>	Excellent
<b>Solvent resistance</b>	Good
<b>Heat resistance</b>	Up to 90°C (dry, continuous)
<b>Chemical resistance</b>	Acids – fair; alkalis – excellent
<b>Thinning and clean up</b>	Thin with Thinner No.6 Clean up with Thinner No.12
<b>Pack size</b>	4 and 20 litre composites
<b>VOC</b>	104 grams per litre mixed

### Performance

### Performance and limitations

1. Self-priming finish coat that is tolerant of minimum surface preparation.
2. May be applied over previously painted, or prepared rusty surfaces, or both.
3. Dry film thickness up to 200 microns per coat can be achieved with airless spray application.

### Limitations

1. Will chalk when continuously exposed to sunlight and U.V. light. This chalking in no way impairs the coating's performance. Chalking can be prevented by overcoating with a pigmented Uracryl Series 400 topcoat.
2. Cure time and pot life are affected by temperature. For application below 10°C use Cladcote 510 L.T Cure and Thinner No.6; above 35°C use Alumastic hardener and Thinner No.11.
3. Not recommended for immersion in acids, alkalis or solvents.
4. Do not apply over thermoplastic coatings.
5. Not available in pure white.
6. Extended cure times are required before immersion service.

