



CLADIT+ GLOSS PG77

A high performance two pack polyurethane solvent based finish

Recommended Areas of Use

As a highly weather & water resistant finish on suitably primed steel and non-ferrous substrates. This product produces a tough, hard wearing coating that is recoatable even after long periods of exposure. This product is intended for professional use only.

Certificates & Approvals

Manufactured under the auspices of an ISO 9001:2008 quality & ISO 14001:2004 environmental management systems.

2004/42/EC EU limit value for this product (cat.A/j sb): 500g/l (2010). This product contains max. 335 g/l VOC.

Properties

Gloss	Full gloss (> 90%)	Surface dry	1 hour
Theoretical Coverage	12 m ² /L/coat	Minimum over coating time	12 hours minimum
Recommended number of coats	1 to 2 coats, depending upon desired build.	Maximum over coating time	Unlimited
Density	1.30 kg/L	Minimum application conditions	Down to 0°C, but RH < 65% (but must be 3°C above dew point)
Volume solids	56% (mixed)	Shelf life	12 months minimum in original unopened containers.
Flash point (Abel closed cup)	28°C		
VOC	335 g/L	Colour range	British Standard & RAL
Thinner / Cleaning	Bradite Thinner TP33	Mix Ratio	Base & Activator tins are supplied pre-measured. For part mixing use: 7:1 (v/v) or 100:12 pbw
Pot Life	6 hours		
Recommended wet film thickness	90 microns/coat	Recommended dry film thickness	50 microns/coat

Suitable Surfaces

For internal & external steel & non-ferrous substrates which are dry, free of contamination and have been properly prepared and primed. May also be applied to wood, fibreglass, concrete and other mineral surfaces that are properly prepared and free of contamination, dust and efflorescence. Compatibility with existing coatings should be confirmed by preparing and painting a test patch. [Note, not suitable for applying over asphalt, bitumen, epoxy tar, alkyd, chlorinated rubber or vinyl based paints.]

Application Information

Application and use should always conform to the codes of practice described in BS 6150 and BS 5493.

Brush and Roller – supplied ready for use. Thin, if required, with 0 - 5% Bradite Thinner TP33.

Conventional Air Spraying - Thin with 5 - 15% Bradite Thinner TP33 as required, tip size – 1.5mm, tip pressure 60psi (0.4MPa) approximately.

Airless Spraying - Thin with 0 - 10% Bradite Thinner TP33 as required, tip size - 13 thou (0.33mm) approximately, tip pressure - 2100 psi (15MPa) approximately.

Cleaning

Clean all equipment immediately after use with Bradite Thinner TP33 for best results.

Specifications

Preparation – industrial protective coating

High pressure steam cleaning to remove all loose, flaking paint and contamination back to a sound surface. Bradite TD39 industrial strength detergent, washing and rinsing should be used with scrubbing to remove grease or oil.

For new or total repair, steel should be blast cleaned to SIS Sa 2^{1/2} minimum with a blast profile of 35-50 microns. (For maintenance repair, sweep blast or mechanically abrade existing coating to provide a key. Damaged or rusty areas should be blast cleaned to SIS Sa 2^{1/2} or mechanically to SIS St 3 minimum).

1st coat	Bradite Surface Tolerant Epoxy Primer EP92*
2nd coat	Bradite HB MIO Epoxy Build Finish EM97
3rd coat	Bradite CLADIT+ Gloss PG77
4th coat	Bradite CLADIT+ Gloss PG77

* Substitute with Bradite Barrier Primer EU96 on galvanised metal, aluminium and other non-ferrous metal surfaces.

For maintenance painting the 1st coat will be a touch up to bare areas only.

Preparation – wet blasted steel

High pressure steam cleaning to remove all loose, flaking paint and contamination back to a sound surface. Bradite TD39 industrial strength detergent, washing and rinsing should be used with scrubbing to remove grease or oil.

Steel should be wet blast cleaned to SIS Sa 2^{1/2} minimum with a blast profile of 35-50 microns then rinsed with fresh water, with excess water being blown off with oil free compressed air. (For maintenance repair, wet blast as previous, feather existing coating to a sound edge and abrade to provide a key.)

Painting System

1st coat	Bradite Surface Tolerant Epoxy Primer EP92
2nd coat	Bradite HB MIO Epoxy Build Finish EM97
3rd coat	Bradite CLADIT+ Gloss PG77

For maintenance painting the 1st coat will be a touch up to bare areas only.

Preparation - cladding

High pressure water cleaning to remove all loose and flaking paint and contamination back to a sound substrate. Bradite TD39 industrial strength detergent washing and rinsing should be used with scrubbing to remove grease or oil.

Check & confirm adhesion of apparently sound cladding coating by carrying out cross hatch adhesion test to all elevations. If adhesion is suspect then elevation should be completely stripped of old coating and repainted.

Intact areas of existing coatings should, ideally, be roughened by manual or mechanical sanding. Feather back exposed areas to a sound coating edge. Cracks and pits should be filled using a suitable filler before painting. Substrate should be dust free and completely dry before coating.

Exposed ferrous substrate should be blast cleaned to SIS Sa2^{1/2} or manually cleaned to SIS St3, then patch primed with Bradite Surface Tolerant Epoxy Primer EP92*.

Painting System

Priming coat	Bradite Surface Tolerant Epoxy Primer EP92 [if required]*
1st coat	Bradite CLADIT+ Gloss PG77
2nd coat	Bradite CLADIT+ Gloss PG77

* For non-ferrous surfaces use, Bradite Barrier Primer EU96 instead.

Summary Safety Information

Always refer to the Health and Safety sheet for the product before use, and observe the warning phrases on the label.

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