



EPOXY BARRIER PRIMER EU96

A high performance two pack epoxy solvent based barrier primer for ferrous and non-ferrous metals

Recommended Areas of Use

A barrier primer for suitably prepared steel and non-ferrous substrates providing outstanding adhesion and excellent corrosion protection. May be used as a wet blast primer and for immersion application when part of a suitable coating system.

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. 429 g/l VOC.

Properties

Gloss	Eggshell (approx. 20%)	Surface dry	30 minutes
Theoretical Coverage	10 m ² /L/coat	Minimum over coating time	8 hours minimum
Recommended number of coats	1 coat	Maximum over coating time	3 months
Density	1.47 kg/L	Minimum application conditions	Temperature > 10°C, RH < 65% (but must be 3°C above dew point)
Volume solids	50% (mixed)	Time to light traffic	24 hours minimum, after final coat
Flash point (Abel closed cup)	26°C	Shelf life	12 months minimum in original unopened containers.
VOC	429 g/L	Colour range	Yellow
Thinner / Cleaning	Bradite Thinner TE36	Temperature Resistance	200°C (some discolouration may occur)
Pot Life	14 hours	Mix Ratio	Base & Activator tins are supplied pre-measured. For part mixing use: 4:1 (v/v) or 100:16 pbw
Recommended wet film thickness	100 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.

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 TE36.

Conventional Air Spraying - Thin with 10 - 25% Bradite Thinner TE36 as required, tip size – 23 thou (1.7mm), tip pressure 60psi (0.4MPa) approximately.

Airless Spraying - Thin with 0 - 25% Bradite Thinner TE36 as required, tip size - 18 thou (0.46mm) approximately, tip pressure - 2100 psi (15MPa) approximately.

Cleaning

Clean all equipment immediately after use with Bradite Thinner TE36 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).

Painting System

1st coat	Bradite Epoxy Barrier Primer EU96
2nd coat	Bradite HB MIO Epoxy Build Finish EM97
3rd coat	Bradite Polyurethane Gloss Finish PG77
4th coat	Bradite Polyurethane Gloss Finish PG77

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 Epoxy Barrier Primer EU96
2nd coat	Bradite HB MIO Epoxy Build Finish EM97
3rd coat	Bradite Polyurethane Gloss Finish PG77

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

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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