



EPOXY COATING FINISH EC88

A high performance two pack epoxy solvent based floor and general purpose coating

Recommended Areas of Use

Interior concrete, wood or steel floors requiring a tough, quick drying, hard wearing flexible floor coating with good chemical and excellent water resistance. Can be used with Bradite Low Slip Additives SA14 or SA12 to provide additional under foot traction (see Notes section for more details). This product is ideally suited for the refurbishment of fibreglass swimming pools, having excellent water immersion resistance, good chemical resistance and produces a surface that is easy to clean.

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. 408 g/l VOC.

Properties

Gloss	Semi-gloss (approx. 50%)	Surface dry	3 hours
Theoretical Coverage	11 m ² /L/coat	Minimum over coating time	14 hours minimum
Recommended number of coats	2 full coats (on bare absorbent surfaces, apply a 20% thinned priming coat first).	Maximum over coating time	6 days
Density	1.41 kg/L	Minimum application conditions	Temperature > 10°C, RH < 65% (but must be 3 °C above dew point)
Volume solids	52% (mixed)	Time to light traffic	24 hours minimum, after final coat
Flash point (Abel closed cup)	27°C	Full cure	6 days
VOC	408 g/L	Shelf life	12 months minimum in original unopened containers.
Thinner / Cleaning	Bradite Thinner TE36	Colour range	Bradite Floor Paint Colours, RAL, British Standard
Pot Life	2-3 hours	Mix Ratio	Base & Activator tins are supplied pre-measured. For part mixing use: 3:1 (v/v) or 100:19 pbw
Recommended wet film thickness	100 microns/coat	Recommended dry film thickness	52 microns/coat

Suitable Surfaces

For internal steel, wood, concrete and other absorbent mineral substrates which are dry, free of contamination, dust, efflorescence and have been properly prepared and primed. 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 - 10% Bradite Thinner TE36. On smooth substrates, the use of a short pile roller is advised.

Conventional Air Spraying - Thin with 10 - 25% Bradite Thinner TE36 as required, tip size - 2.0mm, tip pressure 60psi (0.4MPa) approximately.

Airless Spraying - Thin with 0 - 20% 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

Floor Preparation

Substrates should be dust free and completely dry before coating. When painting concrete it is vital to ensure that the substrate is completely dry and free of laitance. Power floated, shiny or unpainted non porous concrete floors should be thoroughly vacuum blast cleaned to a roughness profile of 30-50 microns, or acid etched using Bradite TA37, or primed using Bradite Floor Primer ES40. Please consult the product data sheet for more details.

High pressure water cleaning should be utilised to remove all loose and flaking paint and contamination back to a sound substrate. Bradite TD39 industrial strength detergent should be used if necessary to remove all grease and oil.

Intact areas of existing coatings should be roughened by abrasive manual or disc rubbing and feathered back to a sound coating edge. Cracks and pits should be filled using a suitable screed or mortar before painting. Substrate should be dust free and completely dry before coating.

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Painting System

For application on concrete, wood or other absorbent substrates, the first coat should be thinned 10-20% with water to allow penetration into the substrate [If Bradite Floor Primer ES40 has been used then the priming coat of Bradite Epoxy Coating Finish EC88 should be omitted].

Primer coat	Bradite Epoxy Coating Finish EC88 (thinned) if required
2 nd coat	Bradite Epoxy Coating Finish EC88
3 rd coat	Bradite Epoxy Coating Finish EC88

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

Notes

Bradite Epoxy Coating Finish EC88 is suitable for use with Bradite Low Slip Additives SA14 or SA12, which can be either incorporated into the paint or hand broadcast into the applied wet paint:

- Incorporation

Bradite Low Slip Hard Aggregate SA14 should be added to the paint and mixed thoroughly just before use at a rate of 1 x 250ml SA14 tin (375g) per 5 litre of paint.

Bradite Low Slip Soft Aggregate SA12 should be added to the paint and mixed thoroughly just before use at a rate of 1 x 250ml SA12 tin (110g) per 5 litre of paint.

- Hand Broadcast

Bradite Low Slip Aggregate SA14 should be scattered over the first coat while it is still wet at a rate of 0.5 - 1.0 kg/m². When dry, excess low slip additive should be brushed off before application of the final coat.

Bradite Low Slip Soft Aggregate SA12 should be scattered over the first coat while it is still wet at a rate of 0.2 - 0.5 kg/m². When dry, excess low slip additive should be brushed off before application of the final coat.

The end user and applicator must ensure that the finished floor is safe against slips in all likely usage conditions.

Fibreglass Swimming Pool Preparation

High pressure water cleaning to remove all loose and flaking paint and contamination back to a sound substrate. Intact areas of existing coatings should be roughened by abrasive manual or disc rubbing and feathered back to a sound coating edge. Bradite TD39 industrial strength detergent washing and rinsing should be used with scrubbing, if necessary, to remove grease or oil.

Bare fibreglass surfaces should be sweep blasted, mechanical or manually abraded to provide a key. The roughened surface should then be rinsed with clean water and allowed to thoroughly dry before painting

Painting System

Primer coat	Bradite Epoxy Coating Finish EC88 (thinned), if required
2 nd coat	Bradite Epoxy Coating Finish EC88
3 rd coat	Bradite Epoxy Coating Finish EC88

The first coat is thinned 20% with Bradite Thinner TE36 to allow for better wetting and adhesion to the substrate. For maintenance painting the 1st coat will be a touch up to bare areas only.

Notes

After final coat application, the pool should be left empty until the paint is fully dried. In temperate conditions this will typically take approximately 10 days, assuming good ventilation and air movement.

If in any doubt regarding the nature of an existing coating a trial patch should be performed, following the instructions above, to confirm compatibility before proceeding with the project.

Industrial Protective Coating Preparation

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).

1 st coat	Bradite Surface Tolerant Epoxy Primer EP92*
2 nd coat	Bradite Epoxy Coating Finish EC88
3 rd coat	Bradite Epoxy Coating Finish EC88

* 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.

Notes

This system is recommended for internal protection and decoration only. Epoxy systems will chalk on external exposure to sunlight, resulting in loss of gloss and colour fade.

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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