

A high performance single pack polyurethane alkyd floor coating

Recommended Areas of Use

Interior concrete, wood or steel floors requiring an economical, hard wearing, flexible floor coating with good chemical and excellent water resistance. Can be used with Bradite Low Slip Additive LS30 to provide additional under foot traction (see Notes section for more details).

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/l sb): 500g/l (2010). This product contains max.435 g/l

Properties

Gloss	Semi-gloss (approx. 50%)	Surface dry	2 hours
Theoretical Coverage	10 m ² /L/coat	Minimum over coating time	16 hours minimum
Recommended number of coats	2 full coats on bare absorbent surfaces, apply a 15-20% thinned priming coat first).	Maximum over coating time	Unlimited
Density	0.98 kg/L	Minimum application conditions	Down to 10°C (but must be 3°C above dew point)
Volume solids	45%	Time to light traffic	24 hours minimum, after final coat
Flash point (Abel closed cup)	38°C	Full cure	7 days
VOC	435 g/L	Shelf life	12 months minimum in original unopened containers.
Thinner / Cleaning	White Spirit	Colour range	Bradite Floor Paint Colours, RAL, British Standard
Recommended wet film thickness	100 microns/coat	Recommended dry film thickness	45 microns/coat

Suitable Surfaces

For internal steel, wood, concrete and other absorbent mineral substrates which are dry, free of contamination, dust, efflorescence laitance and have been properly prepared and primed. Certain protected external floor surfaces may be suitable (well above local water table and/or an intact DPM barrier present) Compatibility with existing coatings should be confirmed by preparing and painting a test patch. [Note, not suitable for applying over asphalt, bitumen, epoxy tar, 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% White Spirit.

Conventional Air Spraying - Thin with 10 - 20% White Spirit as required, tip size - 2.0mm, tip pressure 60psi (0.4MPa) approximately.

Airless Spraying - Thin with 0 - 15% White Spirit 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 White Spirit for best results.

Specification

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. If the concrete is loose, chipping or has concrete dust present, the coating will not perform properly unless all loose material and dust is removed and damaged areas are repaired. 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.

Painting System

For application on concrete, wood or other absorbent substrates, the first coat should be thinned 15-20% with White Spirit to allow penetration into the substrate.

1st coat	Bradite Floor Paint DP5 (thinned)
2nd coat	Bradite Floor Paint DP5
3rd coat	Bradite Floor Paint DP5

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

While the floor will take light foot traffic after overnight drying, full cure may take 4 days at 20°C and should not be subject to heavy traffic for at least 48 hours. Please note that drying/curing times will vary depending on film thickness, temperature and relative humidity.

Bradite Floor Paint DP5 is suitable for use in domestic and light commercial garages. In the first seven days after application, vehicles should be left outside to allow tyres to cool down (especially after long journeys) to help prevent hot tyre pick up. Spills of petrol and diesel should be cleaned up as soon as possible to reduce the danger of slip and to prevent discolouration of the floor paint. Brake fluid is highly aggressive and will attack most floor paints on contact – use drip/capture pans when working on brake systems to prevent permanent damage to the floor paint finish.

Notes

Bradite Floor Paint DP5 is suitable for use with Bradite Low Slip Additive LS30, which can be incorporated into the paint:

- Incorporation

Bradite Low Slip Hard Aggregate LS30 should be added to the paint and mixed thoroughly just before use at a rate of 1 x 250ml LS30 tin (400g) per 5 litre of paint.

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

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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