



RAPID FLOOR PAINT PW74

A high performance single pack moisture cure polyurethane floor 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 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/I sb): 500g/l (2010). This product contains max.300g/l VOC.

Properties

Gloss	Full (> 75%)	Surface dry	2 hours
Theoretical Coverage	10 m ² /L/coat	Minimum overcoating time	8 hours minimum
Recommended number of coats	2 full coats on bare absorbent surfaces, apply a 25% thinned priming coat first).	Maximum overcoating time	16 hours maximum (After 16 hrs, coating should be abraded)
Density	1.07 kg/L	Minimum application conditions	Down to -5°C (but must be 3°C above dew point)
Volume solids	69%	Time to light traffic	24 hours minimum, after final coat
Flash point (Abel closed cup)	26°C	Full cure	7 days
VOC	276 g/L	Shelf life	6 months minimum in original unopened containers.
Thinner / Cleaning	Bradite Thinner TP33	Colour range	Bradite Floor Paint Colours, RAL, British Standard
Recommended wet film thickness	100 microns/coat	Recommended dry film thickness	69 microns/coat

Suitable Surfaces

For internal steel, wood, concrete and other absorbent mineral substrates which are 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 - 5% Bradite thinner TP33.

Conventional Air Spraying / Airless Spraying: not recommended

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. 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.

Cleaning

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

Painting System

For application on concrete, wood or other absorbent substrates, the first coat should be thinned 10-20% with Bradite Thinner TP33 to allow penetration into the substrate.

1st coat	Bradite Rapid Floor Paint PW74 (thinned)
2nd coat	Bradite Rapid Floor Paint PW74
3rd coat	Bradite Rapid Floor Paint PW74

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.

Due to the rapid drying of Bradite Rapid PW74 it is advised that once opened the can should not be resealed.

Notes

Bradite Rapid Floor Paint PW74 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.

Be aware that hot high performance or new tyres may cause slight discolouration of very new coatings at the point of contact. This effect is very rare but may be noticeable in light colours and is due to the migration of rubber compounding materials into the surface of the coating.

On completion of new projects, always follow the minimum cure time guidelines and allow hot tyres to cool down before driving the vehicle onto the coating. If in doubt, please contact us for further advice.

Summary Safety Information

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

Disclaimer - The information on this data sheet is correct to the best of our knowledge and experience. Bradite reserves the right to modify data contained herein, without notice. The information supplied does not absolve users from responsibility to carry out their own tests and experiments, nor does it imply any legally binding assurance of certain properties or suitability for any specific purpose. Conditions of service and application may be beyond our control, so no liability whatsoever can be accepted on the basis of the information supplied herein.