

A high-performance ambient crosslinking water based acrylic floor paint

Recommended Areas of Use

Interior /exterior bare or previously painted suitably prepared concrete, wood, steel, tarmac asphalt 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.101g/l

Properties

Gloss	Semi-gloss (approx. 35%)	Surface dry	30 Minutes
Theoretical Coverage	12 m ² /L/coat (varies with surface porosity & texture)	Minimum over coating time	1 hour minimum
Recommended number of coats	2 full coats on bare absorbent surfaces, apply a 20% thinned priming coat first)	Maximum over coating time	Unlimited
Density	1.179 kg/L	Minimum application conditions	Down to 5°C (but must be 3°C above dew point)
Volume solids	38.59%	Time to light traffic	16 hours minimum, after final coat
Flash point (Abel closed cup)	Non flammable	Full cure	7 days
VOC	101 g/L	Shelf life	12 months minimum in original unopened containers.
Thinner / Cleaning	Water	Colour range	Bradite Floor Paint Colours, RAL, British Standard and NCS
Recommended wet film thickness	100 microns/coat	Recommended dry film thickness	39 microns/coat

Suitable Surfaces

For internal/external wood, steel, concrete and other absorbent mineral substrates which are dry, free of contamination, dust, efflorescence laitance and have been properly prepared and primed. Suitably prepared and well adhered existing coatings including, polyurethane, epoxy and chlorinated rubber. External floor surfaces should be above local water table and/or have intact DPM barrier present. Compatibility with existing coatings should be confirmed by preparing and painting a test patch.

Application Information

Drying times will be prolonged at lower temperatures. 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 up to 5% water.

Conventional Air Spraying - Thin with 5-15% Water as required, tip size - 2.0mm, tip pressure 60psi (0.4MPa) approximately.

Airless Spraying - Thin with 0 – 10% water as required, tip size - 18 thou (0.46mm) approximately, tip pressure - 2100 psi (15MPa) approximately.

Cleaning

Clean all equipment immediately after use with water 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. Powder Coated, 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 5-10% water to allow penetration into the substrate.

1st coat	Bradite Floor-It DP9 (thinned)
2nd coat	Bradite Floor-It DP9
3rd coat	Bradite Floor-It DP9

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-It DP9 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-It DP9 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.

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.

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: FLOOR-IT

Product code: DP9

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of substance / mixture: PC9a: Coatings and paints, thinners, paint removers.

1.3. Details of the supplier of the safety data sheet

Company name: Bradite Paints
Ogwen Valley Works
Bethesda
Gwynedd
LL57 4YP
United Kingdom
Tel: +44 (0)1248 600315
Fax: +44 (0)1248 602782
Email: sales@bradite.com

1.4. Emergency telephone number

Emergency tel: +44 (0)1248 600315
(office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: This product has no classification under CLP.

2.2. Label elements

Label elements: This product has no label elements.

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Section 4: First aid measures

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4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes.

Ingestion: Wash out mouth with water.

Inhalation: Consult a doctor.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Not applicable.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

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Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Ensure there is sufficient ventilation of the area.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

Suitable packaging: Must only be kept in original packaging.

Storage quantity limits: N/A

7.3. Specific end use(s)

Specific end use(s): PC9a: Coatings and paints, thinners, paint removers.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Respiratory protection not required.

Hand protection: Protective gloves.

Eye protection: Tightly fitting safety goggles.

Skin protection: Protective clothing.

Environmental: Prevent from entering in public sewers or the immediate environment.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Various

Odour: Characteristic odour

Evaporation rate: Slow

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Miscible in all proportions

Viscosity: Non-viscous

Boiling point/range°C: 100

Melting point/range°C: 0

Flammability limits %: lower: Not applicable.

upper: Not applicable.

Flash point°C: >93

Part.coeff. n-octanol/water: No data available.

Autoflammability°C: Not applicable.

Vapour pressure: Not applicable.

Relative density: 1.20

pH: 8.5

VOC g/l: 100

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9.2. Other information

Other information: Not applicable.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.
Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicity values: No data available.

Symptoms / routes of exposure

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Other information: Not applicable.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: No data available.

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12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: No data available.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: No data available.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Recovery operations: Not applicable.

Waste code number: 08 01 12

Disposal of packaging: Retain for recovery.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Specific regulations: Not applicable.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

* indicates text in the SDS which has changed since the last revision.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.