



# FLOOR PRIMER ES40

## A high performance two pack water based floor primer for power floated concrete & other absorbent smooth floor surfaces

### Recommended Areas of Use

Interior smooth absorbent floor substrates, especially power floated concrete & quarry tiles, which may require a penetrating primer to improve the adhesion of subsequent Bradite floor coatings. Note, this product is free from APEOs and benzyl alcohol.

### 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/h wb): 30g/l (2010). This product contains max.2 g/l VOC.

### Properties

<b>Gloss</b>	Not applicable, absorbed by surface	<b>Surface dry</b>	1 hour
<b>Theoretical Coverage</b>	25 m <sup>2</sup> /L/coat	<b>Minimum over coating time</b>	2.5 hours minimum
<b>Recommended number of coats</b>	1 coat	<b>Maximum over coating time</b>	Unlimited (after preparation)
<b>Density</b>	1.18 kg/L (base, as supplied)	<b>Minimum application conditions</b>	Temperature > 10°C, RH < 65% (but must be 3 °C above dew point)
<b>Volume solids</b>	47% (mixed, after thinning)	<b>Time to light traffic</b>	2 hours minimum
<b>Flash point (Abel closed cup)</b>	>99°C	<b>Full cure</b>	5 days
<b>VOC</b>	<2 g/L	<b>Shelf life</b>	12 months minimum in original unopened containers.
<b>Thinner / Cleaning</b>	Water	<b>Colour range</b>	Clear only
<b>Pot Life</b>	1 hour	<b>Mix Ratio</b>	Base & Activator tins are supplied pre-measured. Clean cold tap water is used for third component (see mixing instructions for details).  For part mixing use: 2.5: 1.5: 1.0 (v/v) or 100: 63: 38 pbw
<b>Recommended wet film thickness</b>	40 microns/coat	<b>Recommended dry film thickness</b>	Not measureable since absorbed by substrate.

## Suitable Surfaces

For concrete and other absorbent mineral substrates which are dry, free of contamination, dust and efflorescence. [Note, not suitable for applying over existing floor paint systems].

## Application Information

Material must be thinned (see specific mixing information below) prior to application on new or uncoated concrete to enable penetration and binding of substrate. Application and use should always conform to the codes of practice described in BS 6150 and BS 5493.

**Brush and Roller** – On smooth substrates, the use of a suitably sized foam or short pile roller is highly recommended.

**Conventional Air & Airless Spraying** – Not recommended

## Cleaning

Clean all equipment immediately after use with clean tap water for best results.

## Specification

Consult specific product datasheet for subsequent Bradite floor coating finish for additional information.

## Floor Preparation:

New concrete should be allowed to dry for at least 28 days prior to painting. Moisture content of floor may be checked by placing a secured sheet of plastic on the floor for 24 hours and then examining for any signs of condensation. Appearance of condensation indicates concrete is not sufficiently dry to allow painting.

Existing coatings must be completely removed. For best performance, complete vacuum blast cleaning of the substrate is recommended. Bradite TD39 industrial strength detergent washing and rinsing should be used with scrubbing, if necessary, to remove grease or oil.

## Mixing Instructions

- Pour complete contents of activator can into the base can.
- Mix thoroughly to an even cream colour and consistency (Use a cordless power drill, with paint paddle attachment, for best results).
- With mixing, add 1000ml of clean tap water.

## Painting System

1st coat                                      Bradite Floor Primer ES40

Subsequent coats will be dependent upon the desired Bradite floor coating system. Bradite Floor Primer may be slightly tacky underfoot when applying finishing system. Please consult specific floor finishing product datasheet for further system details. 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 PRIMER

**Product code:** ES40

**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](mailto: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:** Aquatic Chronic 3: H412; Eye Dam. 1: H318; Skin Irrit. 2: H315; Skin Sens. 1: H317

**Most important adverse effects:** Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. Harmful to aquatic life with long lasting effects.

**2.2. Label elements**

**Label elements:**

**Hazard statements:** H315: Causes skin irritation.  
H317: May cause an allergic skin reaction.  
H318: Causes serious eye damage.  
H412: Harmful to aquatic life with long lasting effects.

**Hazard pictograms:** GHS05: Corrosion  
GHS07: Exclamation mark



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**Signal words:** Danger

**Precautionary statements:** P102: Keep out of reach of children.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302+352: IF ON SKIN: Wash with plenty of water/soap and water.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER/doctor.

P321: Specific treatment (see instructions on this label).

### 2.3. Other hazards

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

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients:

FORMALDEHYDE, POLYMER WITH N1-(2-AMINOETHYL)-N2-[2-AMINOETHYL)AMINO]ETHYL]-1,2-ETHANEDIAMINE, 2,2'-[1,4-BUTANEDIYLBIS(OXYMETHYLE)

EINECS	CAS	PBT / WEL	CLP Classification	Percent
-	180583-06-6	-	Skin Sens. 1: H317; Aquatic Chronic 2: H411	10-30%

O,O'-BIS(2-AMINOPROPYL)POLYPROPYLENEGLYCOL

618-561-0	9046-10-0	-	Aquatic Chronic 3: H412; Eye Dam. 1: H318; Skin Corr. 1C: H314	1-10%
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3,6,9-TRIAZAUNDECAMETHYLENEDIAMINE

203-986-2	112-57-2	-	Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr. 1B: H314; Skin Sens. 1: H317; Aquatic Chronic 2: H411	1-10%
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## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.

**Ingestion:** Do not induce vomiting. Wash out mouth with water. Consult a doctor.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be irritation and pain.

**Ingestion:** There may be soreness and redness of the mouth and throat.

[cont...]

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**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:** Show this safety data sheet to the doctor in attendance.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used.

### 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.

## 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.

### 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. Wash the spillage site with large amounts of water.  
Refer to section 13 of SDS for suitable method of disposal.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 13 of SDS.

## 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.

**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.

[cont...]

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## 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:** Pale yellow

**Odour:** Characteristic odour

**Evaporation rate:** Slow

**Oxidising:** Non-oxidising (by EC criteria)

**Solubility in water:** Miscible in all proportions

**Also soluble in:** Ethanol.

**Viscosity:** Non-viscous

**Boiling point/range°C:** 100

**Melting point/range°C:** Not applicable.

**Flammability limits %: lower:** Not applicable.

**upper:** Not applicable.

**Flash point°C:** >93

**Part.coeff. n-octanol/water:** Not applicable.

**Autoflammability°C:** Not applicable.

**Vapour pressure:** Not applicable.

**Relative density:** 1.05

**pH:** 8.5

**VOC g/l:** <1

### 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.

[cont...]

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## 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.

## 10.4. Conditions to avoid

**Conditions to avoid:** Direct sunlight.

## 10.5. Incompatible materials

**Materials to avoid:** Strong acids. Strong bases. Strong oxidising agents.

## 10.6. Hazardous decomposition products

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

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

**Hazardous ingredients:**

#### 3,6,9-TRIAZAUNDECAMETHYLENEDIAMINE

IPR	RAT	LD50	205	mg/kg
IVN	MUS	LD50	320	mg/kg
ORL	RAT	LD50	3990	mg/kg

**Relevant hazards for product:**

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
Respiratory/skin sensitisation	DRM	Hazardous: calculated

## Symptoms / routes of exposure

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be irritation and pain.

**Ingestion:** There may be soreness and redness of the mouth and 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.

[cont...]

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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:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

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

**Phrases used in s.2 and s.3:** H302: Harmful if swallowed.

H312: Harmful in contact with skin.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

[cont...]



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H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H411: Toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

**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.