



# CLADIT WC44

## A high performance single pack water based acrylic polyurethane finish for exterior cladding renovation.

### Recommended Areas of Use

Exterior cladding requiring a hard wearing, flexible, weather and light resistant coating. Excellent adhesion to existing cladding coatings (coil, plastisols, powder coatings) with minimal preparation.

### 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/d wb): 130g/l (2010). This product contains max.7 g/l VOC.

### Properties

<b>Gloss</b>	Semi-gloss (approx. 50%)	<b>Surface dry</b>	1 hours
<b>Theoretical Coverage</b>	10 m <sup>2</sup> /L/coat	<b>Minimum overcoating time</b>	4 hours minimum
<b>Recommended number of coats</b>	2 full coats	<b>Maximum overcoating time</b>	Unlimited
<b>Density</b>	1.20 kg/L	<b>Minimum application conditions</b>	Down to 10 °C & 75% RH maximum (but must be 3 °C above dew point)
<b>Volume solids</b>	45%	<b>Full cure</b>	7 days
<b>Flash point (Abel closed cup)</b>	Not applicable		
<b>VOC</b>	7 g/L	<b>Shelf life</b>	12 months minimum in original unopened containers.
<b>Thinner / Cleaning</b>	Water	<b>Colour range</b>	RAL, British Standard
<b>Recommended wet film thickness</b>	100 microns/coat	<b>Recommended dry film thickness</b>	45 microns/coat

### Suitable Surfaces

Suitable for use over most existing cleaned and prepared cladding coating systems. Compatibility with existing coatings should be confirmed by preparing and painting a test patch. Bare steel and non-ferrous metals should be properly prepared and primed before painting with this product.

### Application Information

Always aim to paint an elevation preceding direct sunlight illumination to prevent painting onto warm surfaces which may cause too rapid drying and detract from application properties and finish appearance quality. 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 with 0 - 5% water if required.

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

**Airless Spraying** - Thin with 0 - 15% 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

High pressure water cleaning to remove all loose and flaking paint and contamination back to a sound substrate. Bradite TD39 industrial strength detergent washing and rinsing should be used with scrubbing to remove grease or oil.

Check & confirm adhesion of apparently sound cladding coating by carrying out cross hatch adhesion test to all elevations. If adhesion is suspect then elevation should be completely stripped of old coating and repainted.

Intact areas of existing coatings should, ideally, be roughened by manual or mechanical sanding. Feather back exposed areas to a sound coating edge. Cracks and pits should be filled using a suitable filler before painting. Substrate should be dust free and completely dry before coating.

Exposed ferrous & non-ferrous substrates should be blast cleaned to SIS Sa2<sup>1/2</sup> or manually cleaned to SIS St3, then patch primed with Bradite SORTED WP45 primer.

### Painting System

Priming coat	Bradite SORTED WP45, if required
1st coat	Bradite Cladit WC44
2nd coat	Bradite Cladit WC44

## 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:** "CLADIT" SEMI GLOSS FINISH

**Product code:** WC44

### 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:** Eye Irrit. 2: H319; Aquatic Chronic 3: H412; -: EUH208

**Most important adverse effects:** Contains a mixture of: 5-chloro-2-methyl-2h-isothiazol-3-one [ec no 247-500-7] and 2-methyl-2h-isothiazol-3-one [ec no 220-239-6], 2-octyl-2h-isothiazol-3-one. May produce an allergic reaction. Causes serious eye irritation. Harmful to aquatic life with long lasting effects.

### 2.2. Label elements

**Label elements:**

**Hazard statements:** EUH208: Contains a mixture of: 5-chloro-2-methyl-2h-isothiazol-3-one [ec no 247-500-7] and 2-methyl-2h-isothiazol-3-one [ec no 220-239-6], 2-octyl-2h-isothiazol-3-one. May produce an allergic reaction.

H319: Causes serious eye irritation.

H412: Harmful to aquatic life with long lasting effects.

# SAFETY DATA SHEET

## "CLADIT" SEMI GLOSS FINISH

Page: 2

**Signal words:** Warning

**Hazard pictograms:** GHS07: Exclamation mark



**Precautionary statements:** P264: Wash hands thoroughly after handling.  
P273: Avoid release to the environment.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+313: If eye irritation persists: Get medical attention.  
P501: Dispose of contents/container to hazardous or special waste collection point.

### 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:

DIURON (ISO)

EINECS	CAS	PBT / WEL	CLP Classification	Percent
206-354-4	330-54-1	-	Carc. 2: H351; Acute Tox. 4: H302; STOT RE 2: H373; Aquatic Chronic 1: H410; Aquatic Acute 1: H400	<1%

## 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:** Wash out mouth with water. Do not induce vomiting. 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 mild irritation at the site of contact.

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

**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.

[cont...]

**SAFETY DATA SHEET**  
"CLADIT" SEMI GLOSS FINISH

Page: 3

**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:** Not applicable.

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

**6.4. Reference to other sections**

**Reference to other sections:** Refer to section 8 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.

**Section 8: Exposure controls/personal protection**

**8.1. Control parameters**

[cont...]

**SAFETY DATA SHEET**  
"CLADIT" SEMI GLOSS FINISH

Page: 4

**Hazardous ingredients:**

**DIURON (ISO)**

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	10 mg/m <sup>3</sup>	-	-	-

**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:** Barely perceptible 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:** N/A

**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:** 1.25

**pH:** 8.5

**VOC g/l:** 7

**9.2. Other information**

**Other information:** Not applicable.

**Section 10: Stability and reactivity**

**10.1. Reactivity**

**Reactivity:** Stable under recommended transport or storage conditions.

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**SAFETY DATA SHEET**  
"CLADIT" SEMI GLOSS FINISH

Page: 5

**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.

**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:**

**DIURON (ISO)**

ORL	RAT	LD50	3400	mg/kg
SKN	RAT	LD50	>5	gm/kg

**Relevant hazards for substance:**

Hazard	Route	Basis
Serious eye damage/irritation	OPT	Hazardous: calculated

**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 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**

**Hazardous ingredients:**

[cont...]

**SAFETY DATA SHEET**  
"CLADIT" SEMI GLOSS FINISH

Page: 6

**DIURON (ISO)**

DAPHNIA	48H EC50	1.4	mg/l
RAINBOW TROUT ( <i>Oncorhynchus mykiss</i> )	96H LC50	14.7	mg/l
Scenedesmus Subspicatus	72H EC50	0.022	mg/l

**12.2. Persistence and degradability**

**Persistence and degradability:** No data available.

**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**

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**SAFETY DATA SHEET**  
"CLADIT" SEMI GLOSS FINISH

Page: 7

<b>Other information</b>
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**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

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

**Phrases used in s.2 and s.3:** EUH208: Contains <name of sensitising substance>. May produce an allergic reaction.  
H302: Harmful if swallowed.  
H319: Causes serious eye irritation.  
H351: Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.  
H373: May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.  
H410: Very 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.