

‘ECOPROOF LIQUID MEMBRANE ’

USAGE,APPLICATION,HANDLING

PLEASE READ MATERIAL SAFETY DATA SHEET AND COSHH DATA SHEET BEFORE USING

1. Uses:

Liquid Membrane is a cold applied membrane for waterproofing and surface protection. Other uses include rust and corrosion protection of ferrous materials. Liquid Membrane can be applied over a wide range of surfaces including roofs, concrete foundations, basements, retaining walls, car parking decks, planters, valleys & guttering, plus many more. It will cover many substrates including timber, concrete, metal, asphalt, asbestos and brick.

2. Preparation:

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| 2.1 | All surfaces should be dry and free from dust, grease and other debris. Any loose debris should be removed, surfaces pressure washed and allowed to dry. |
| 2.2 | All surfaces should be structurally sound and stable before application. |
| 2.3 | Use 'Trowel Grade' to fill smaller gaps (above 3mm). For best results build up in thin layers and allowed to fully dry and cure. |
| 2.4 | Use reinforcing tape to cover joints, large gaps, pipe work, 90° angles and other details. |

3. Application:

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| 3.1 | Do not apply to wet or frozen surfaces, during or immediately prior to heavy rain. |
| 3.2 | Apply the single component system with the appropriate sprayer, roller or brush. |
| 3.3 | Apply at an ambient temperature (above 5°C) |
| 3.4 | Apply evenly two 1mm covering at 1 litres per coat per square metre. |
| 3.5 | Cures to touch in 1-4 hours (at 20°C) and is largely cured within 48 hours. |
| 3.6 | The second coat can be applied after first coat has initially cured (1-4 hours). |
| 3.7 | After preparation it is possible to cover areas greater than 800 square metres per day. |

4. Storage And Handling:

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| 4.1 | Store above 5°C in a cool dry place with containers tightly fastened. |
| 4.2 | Do not allow uncured material to freeze. |
| 4.3 | Although Liquid Membrane is non combustible we recommend you avoid temperatures above 200°C |
| 4.4 | Not subject to the controlled products or the transportation of dangerous goods regulations. |
| 4.5 | Keep out of reach of children. |

5. Spillage & Clean Up:

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| 5.1 | Large spills: Pump into plastic containers and rework/dispose as per local legislation.
Small spills: Use non-combustible absorbent and shovel into a suitable container for disposal. |
| 5.2 | For general clean-ups, white spirits is recommended. For personal clean up of your hands/face, baby oil is recommended. |

6. Limitations:

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| 6.1 | Drying and curing time will vary depending on temperature and humidity. |
| 6.2 | Liquid Membrane is mildly alkaline. When applying observe normal health and safety precautions. |
| 6.3 | Wear eye protection and other suitable personal protective equipment (PPE). |
| 6.4 | For further information refer to the COSHH and MSDS data sheets. |

Liquid Membrane is manufactured exclusively for EcoProof LTD

The information provided is offered in good faith and is based on our current knowledge without guarantee of accuracy. We do not accept responsibility for damage and claims arising from handling, transport, storage or disposal of the product. The information on this data sheet applies only to the product named above.

This does not constitute a guarantee or warranty for any specific product feature and shall not establish a legally contractual relationship.

EcoProof LTD

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'ECOPROOF LIQUID MEMBRANE '

PERFORMANCE

'Liquid Membrane ' is a state of the art modified elastomeric bitumen emulsion developed to simplify the waterproofing process and overcome the problems of materials containing toxic solvents and VOC. It has been specifically formulated as a spray applied fully protective waterproofing membrane. Liquid Membrane is a cold applied single component system that can be applied using an airless spray system, roller or brush. Liquid Membrane provides a solvent free, quick setting membrane that offers excellent strength, elasticity and adhesion.

'Liquid Membrane ' is a waterproof adhesive and so fully bonds to most substrates. The specified thickness offers a seamless, flexible and watertight membrane with low environmental impact.

*** SOLVENT FREE * NON TOXIC *ODOURLESS *NOT FLAMMABLE ***

1. Physical Properties – Liquid Form:

Property	Typical results
Specific gravity (liquid) kg/m ³ :	Approx. 1.0
Odour:	None
VOC:	Contains no solvents
Colour:	Brown
% solids: (wt)	53-58
Viscosity, Brookfield sp. #5, 20 rpm:	8000-9000
pH:	10 - 12

2. Performance – Cured Membrane Form:

Property	Typical Form
Colour:	Black
Specific gravity g/cm ³ :	Approx. 1.0
Chemical resistance:	Resistant to atmospheric, chemical aerosols, or acid rain. Limited resistance to gasoline, diesel fuel and other petroleum products (see chemical resistance chart)
Biological resistance ASTM E154, ASTM D412:	Passed (>90% original value)
Impact resistance CSB37-GP-500, 23°C	Passed (168 lbs)
Water tightness CGSB 37-GP-56	Zero leakage
Water tightness after impact:	Passed (no leakage)
Tensile strength ASTM D412 (p.s.i.):	90
Elongation %	1000
Accelerated weathering ASTM G155 D412:	Passed (no deterioration of film)
tensile strength:	Passed (>90% original value)
Hardness (Durometer type 00)	85-87
Salt fog corrosion, steel ASTM D412	1000 hours passing
Surface corrosion ASTM D610	No corrosion after 500 hours, 0.03% after 1000 hours
Adhesion to concrete strength ASTM C907:	765 kPa
Hardness ASTM D2246	50 Type A