



# CERTIFICATE OF CONFORMITY

This is to certify that

## The Nuraply 3PG Green Roof Membrane System

### Complies with the New Zealand Building Code:

Performance Clauses B1.3.2 and B1.3.3 (e) and (m)

Performance Clauses B2.3.1 (a) and B2.3.2

Performance Clause E2.3.1, E2.3.2 and E2.3.6

Performance Clause F2.3.1.

Compliance with other clauses have been considered and found not applicable.

### Subject to the following:

#### Limitations of use -

A. All designs and construction shall be within the requirements and the tables set out in the Nuraply 3PG Green Roof membrane technical manual 2016 Edition 4 available from the manufacturer's web site [www.nuralite.co.nz](http://www.nuralite.co.nz) and, all other uses are outside the scope of this certificate.

B. Accessories, componentry, cladding and finishing systems to comply with that specified in the Nuraply 3PG Green Roof membrane technical manual 2016 Edition 4, and the Nuraply Waterproofing Membrane Building Product Quality Plan 2015 v2;

C. Installation shall be performed by Nuralite Waterproofing Ltd trained and approved installers, who shall be supervised by a suitably qualified Licensed Building Practitioner;

D. Installation and maintenance - where required - of the Nuraply 3PG Green Roof Membrane System, shall be in accordance with the Nuraply Waterproofing Membrane Building Product Quality Plan 2015 v2 available on request and the QA sheets included in the 3PG Roof Garden membrane technical manual 2016 Edition 4.

#### Conditions of certification -

E. The Building Product Quality Plan for the Nuraply 3PM Roofing Membrane system shall be reviewed and subject to audit at their head office and building sites by the issuer at least once a year;

F. This CodeMark Certificate shall be revalidated on an annual basis;

H. This CodeMark Certificate is subject to S15 of the Building Product Certification Regulations 2008.

#### Technical information:

Information that forms part of this certificate or the basis for certification is available from the issuer on request and may be subject to a fee.

Note that this certificate may only be reproduced in its entirety. (Page 1 of 2)

21 October 2016

BCS-143416-CMNZ

C R Prouse  
Director  
BEAL Certification Service

Date issued

Certificate Number



[www.jas-anz.org/register](http://www.jas-anz.org/register)

### Product description

The Nuraply 3PG Green Roof Membrane System is a double layer torch-on modified bitumen sheet membrane system, comprising adhesives and a basesheet over which a root resistant capsheet is heat adhered. Seams are heat welded. The basesheets are supplied in coils 10m x 1m wide while the capsheets are supplied in 7.5m x 1m wide coils. The Nuraply 3PG Green Roof membrane system may be installed directly onto plywood or concrete or for a Nuratherm Warm Roof it may be installed onto Enertherm boards attached to plywood, concrete or metal traydeck.

### Product purpose or use

The Nuraply 3PG Green Roof Membrane System is used for waterproofing roofs and decks, especially low-slope roofs and decks, with plant material installed upon a drainage mat above the membrane. The minimum slope is dependent upon the substrate. Refer attached table over.

### Certificate Holder

Nuralite Waterproofing Ltd.  
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Phone 09 579 2046  
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### CodeMark Certification Body

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Phone: +64 4 233 6661  
E-Mail: [bcs@beal.co.nz](mailto:bcs@beal.co.nz)  
Website: [www.beal.co.nz](http://www.beal.co.nz)

| Substrate                           | Plywood  | Concrete   | Existing Membrane          | Concrete with Tapered Boards or Flat Enertherm (Nuratherm) | Plywood with Enertherm (Nuratherm)   | NPM900 or approved metal tray (B) with Enertherm (Nuratherm) |
|-------------------------------------|--|--|----------------------------|--|--------------------------------------|--|
| Design Fall (excluding gutters) (A) | 1:40   | 1:60   | 1:60                       | 1:60   | 1:40                                 | 1:40   |
| Gutters                             | 1:100  | 1:100  | 1:100                      | 1:100  | 1:100                                | 1:100  |
| Substrate Comments                  | Using 17mm (roofs) or 21mm (decks) plywood, rafters at 600 centers, noqs at 600 centers. | Create required slope with a screed. Wait for concrete and screed to cure. | Confirm substrate is sound | Nuralite to assist with tapered board layout               | Create required slope in the plywood | Create required slope in the NPM900                          |

#### Notes

- A) For the purpose of this Certificate roofs must have a minimum finished fall of 1:80. For design purposes, a minimum 1:40 finished fall should be assumed for plywood and metal substrates or 1:60 for concrete. If lower falls are required Nuralite will issue a Producer Statement following detailed analysis of the roof including its size, location, overall and local deflection, intended use, direction of falls, etc.
- B) Other metal tray systems may be used as a substrate with specific approval by Nuralite which is provided on a case by case basis

### Explanation of compliance with Building Code criteria under s269 (1) of the Building Act 2004 -

- Clause B1.3.2 Compliance has been established by testing to ensure that tensile strength, elongation, compression and seam strength are adequate.
- Clauses B1.3.3 (e) and (m) Compliance has been established with testing to ensure resistance to water absorption, hydrostatic pressure, differential movement over substrate joints are adequate .
- Clause B2.3.1 (a) & (b) The membrane is part of the envelope building element and assessed for 50 and 15 year durability period.
- Clause B2.3.2 No building elements are over elements with lesser durability and satisfy this criteria.
- Clause E2.3.1 The roof membrane system will repel water from entering building and shed precipitated moisture and melted snow.
- Clause E2.3.2 The membrane system has been tested for water absorption, vapour transmission, hydrostatic pressure and joint seam strength to satisfy this requirement.
- Clause E2.3.6 The membrane system will allow excess moisture present to be dissipated at the completion of construction
- Clause F2.3.1. No gases liquid or particles are emitted by materials that could give rise to harmful concentrations on surfaces or in an atmosphere of any space.

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