

# Archityne Renolit Alkorplan Waterproofing Membrane Systems

Product Technical Statement: 115506



Single ply membranes for warm and cold roofs, decks, green roofs and inverted roofs

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## Level of assurance needed to demonstrate NZ Building Code Compliance

Supporting documentation should include self-assessment and technical information by manufacturer



Archityne confirms that this minimum level of assurance has been met or exceeded by the following:

BBA British Board of Agreement UK

[BBA Agreement Certificate - 10/4808](#)



The following information has been provided by Archityne demonstrating how this product complies with the [Building Product Information Requirements](#).

## Technical Statement

### Product Class

CLASS 1

### Product Description

Fleece-backed single ply waterproofing membranes for mechanically fixed, adhered or ballasted applications that can be used for both warm and cold roofs, as well as decks and under green or inverted roofs.

- usable on various substrates including timber, metal, concrete, existing bituminous substrates (separation layer) and insulated panels
- range of accessories including vapour control, flashings & trims, seam sealers and profiles for solar
- can be used on gutters, upstands and parapets.
- min fall for roofs is 2 degrees, decks 1.5 degrees

### Scope of use

CODEMARK PENDING: August 2026

Single ply PVC waterproofing membrane systems for cold and warm flat and pitched roofs over a range of substrates as listed.

Systems include: ☐ Roofing membranes ☐ Adhesives ☐ Fixings ☐ Vapor control layers ☐ Accessories to complete the installation

### Limitations:

Minimum falls:

- o roofs with minimum fall of 2°
- o decks with minimum fall of 1.5°
- o internal gutters with 0.6°

Only suitable for use on roofs where no fire rating is required.

Only vapour barriers, insulation, insulation fixings and components provided by or approved by Archityne Ltd are suitable for use in Renolit Alkorplan roofing membrane systems.

Roofs requiring routine access for maintenance and access to plant are to be provided with suitable dedicated walkways. • Installation is required by an Archityne Ltd approved installer.

### New Zealand Building Code (NZBC)

The product will, if employed in accordance with the supplier's installation and maintenance requirements, assist with meeting the following provisions of the building code:

- **Clause B2 Durability:** Performance B2.3.1, B2.3.1(a), B2.3.1(b)  
B2.3.1 b) 15 year durability requirement B2.3.2 requires all components of a system that is difficult to access or replace to have the same durability ☐ Durability requirement is supported by SGS and SKZ test reports, and BBA Agreement Certificate 10/4808, with expected life of at least 35 years.
- **Clause C3 Fire affecting areas beyond the fire source:** Performance C3.5  
C3.5 assigned a reaction to fire classification Class E to BS EN13501-1:2018 and are suitable for use on roofs where no fire rating is required. Refer to fire test report
- **Clause E2 External moisture:** Performance E2.3.1, E2.3.2, E2.3.7  
E2.3.1 - Roofs must shed precipitated moisture.



**masterspec partner**

### Company Contact Details

|                   |                                                                         |
|-------------------|-------------------------------------------------------------------------|
| Company:          | Archityne Limited                                                       |
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| Website:          | <a href="https://www.archityne.co.nz/">https://www.archityne.co.nz/</a> |

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E2.3.2 - Roofs and exterior walls must prevent the penetration of water that could cause undue dampness, damage to building elements, or both. Supported by SGS and SKZ test reports, and BBA Agrément Certificate 10/4808.

- **Clause F2 Hazardous building materials:** Performance F2.3.1  
F2.2 and F2.3.1 Renolit membranes are fabricated from non-toxic materials. Refer to Safety Data Sheets.
- **Clause G12 Water supplies:** Performance G12.3.2, G12.3.2(c)  
G12.3.2 c) - suitable for the use of the collection of water for potable use. Fabricated from non-toxic materials - refer to safety data sheet.

## Evidence

The product meets the requirements set out in the following documents, or relevant parts of cited standards within the documents:

B2.3.1 b) 15 year durability requirement

B2.3.2 requires all components of a system that is difficult to access or replace to have the same durability. Durability requirement is supported by SGS and SKZ test reports, and BBA Agrément Certificate 10/4808, with expected life of at least 35 years.

C3.5 assigned a reaction to fire classification Class E to BS EN13501-1:2018 and are suitable for use on roofs where no fire rating is required. Refer to test report

E2.3.1 - Roofs must shed precipitated moisture.

E2.3.2 - Roofs and exterior walls must prevent the penetration of water that could cause undue dampness, damage to building elements, or both. Supported by SGS and SKZ test reports, and BBA Agrément Certificate 10/4808.

F2.2 and F2.3.1 Renolit membranes are fabricated from non-toxic materials. Refer to Safety Data Sheets.

G12.3.2 c) - suitable for the use of the collection of water for potable use.

## Supporting Evidence

The product has and can make available the following additional evidence to support the above statements:



BBA British Board of Agreement UK  
[BBA Agrément Certificate - 10/4808](#)

## Use in Service History

Proven systems since 1965, UK and Europe.

## Product Criteria

### Design requirements

Flat/pitched cold and warm roofs with the following substrates:

- o Plywood
- o Strandsarking
- o Concrete (with separation layer)
- o Metal tray deck
- o Rigid insulation - EPS, XPS, PUR, PIR (with separation layer)
- o Existing bituminous substrates (with separation layer)

### Installation requirements

Install in accordance with Archityne Ltd installation instructions document

### Maintenance requirements

Maintenance instructions are contained within Archityne Ltd installation instructions document. • Maintenance inspections are required as per the warranty.

### Warrantees

Refer to [www.archityne.co.nz](http://www.archityne.co.nz).

Decking 15 years.

Roofing 15-20 years.

Refer to supplier in accordance with projects conditions.

## Company Product Information

### Environmental

EPD available

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## Building Product Information Requirements

### Manufacturer

**Legal Trading Name:**

RENOLIT Ibérica S.A. ta Renolit Alkorplan

**Business Email:**

roofcare@renolit.com

**Company Website:**

[www.renolit.alkorplan.com](http://www.renolit.alkorplan.com)

**Contact Number/s:**

+64 029-1220117

### Importer

**Legal Trading Name:**

Archityne Limited

**Business Email:**

chris@archityne.co.nz

**Company Website:**

<https://www.archityne.co.nz/>

**Contact Number/s:**

+64 029-1220117

### Product Identifier

RENOLIT ALKORPLAN BRIGHT RENOLIT ALKORPLAN SMART RENOLIT ALKORPLAN CLASSIC  
RENOLIT ALKORPLAN COLOUR RENOLIT ALKORPLAN METALLICS

### Warnings

This product has no warnings associated with it.



Date last validated: **26 August 2026**



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