

Codemark certified synthetic wall underlay offers optimum protection against leaky building syndrome

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Level of assurance needed to demonstrate NZ Building Code Compliance

Supporting documentation should include technical information by manufacturer and either a BRANZ or independent Appraisal or CodeMark



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

CodeMark

[GM-CM30032- RevE](#)

Technical Statement

Product Description

SOLITEX EXTASANA is an external wall underlay designed for the New Zealand market which offers optimum protection against leaky building syndrome. Your construction will be "Dry as a bone".

SOLITEX EXTASANA is:

- NEW GENERATION - high performance monolithic **nonporous** membrane
- diffusion open from the inside allowing moisture to pass through
- active moisture transport
- **high water resistance** – water column more than 10,000mm
- **low vapour resistance** - MVTR lower than 0.75 MNs/g
- suitable for use as an air barrier as per NZS2295:2006 and E2/AS1 Table 23
- highly durable under all conditions - unaffected by wood preservatives
- UV stabilised - can be exposed to the New Zealand elements for **90** days
- easy to install
- recyclable (emits no toxic gases when burned)
- Equivalent of the 'Acceptable Solution' and meets all the requirements of Table 23 in E2/AS1

SOLITEX EXTASANA has **CodeMark** Certification, the only wall underlay in New Zealand with full product accreditation.

Scope of use

Has been assessed for use as a flexible wall underlay on timber framed buildings within the following scope:

- the scope limitations of NZBC Acceptable Solution E2/AS1, Paragraph 1.1; and,
- with absorbent wall claddings directly fixed to framing; and,
- with non-metallic, non-absorbent wall claddings directly fixed to frame; and,
- with absorbent and non-absorbent wall claddings installed over an 18 mm minimum drained cavity; and,
- with masonry veneer in accordance with NZBC Acceptable Solution E2/AS1; and,
- situated in NZS 3604:2011 Wind Zones up to, and including 'Very High'.

Has been assessed for use as a flexible wall underlay on steel framed buildings within the following scope:

- the scope limitations of NZBC Acceptable Solution E2/AS1, Paragraph 1.1 with regards to building height and floor plan area; and,
- with absorbent and non-absorbent wall claddings installed over an 18 mm minimum drained cavity; and,
- with masonry veneer in accordance with NZBC Acceptable Solution E2/AS1; and, situated in NZS 3604:2011 Wind Zones up to, and including 'Very High'.

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(a), B2.3.1(b)
- **Clause C3 Fire affecting areas beyond the fire source:** Performance C3.4(c)
- **Clause E2 External moisture:** Performance E2.3.2
- **Clause F2 Hazardous building materials:** Performance F2.3.1

Notes

Solitex Extasana ® Wall Underlay, if used, designed, installed and maintained in accordance with the statements and conditions of the Installation Guide and this Certificate, will meet, or contribute to meeting the following provisions of the NZBC:



masterspec partner

Company Contact Details



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- Clause B2 DURABILITY: Performance B2.3.1(a), not less than 50 years, B2.3.1(b), 15 years and B2.3.2. Solitex Extasana ® Wall Underlay meets these requirements.
- Clause C3 FIRE AFFECTING AREAS BEYOND THE FIRE SOURCE: Performance C3.4(c) Solitex Extasana ® Wall Underlay meets these requirements.
- Clause E2 EXTERNAL MOISTURE: Performance E2.3.2. When used as part of the cladding system, Solitex Extasana ® Wall Underlay will contribute to meeting this requirement.
- Clause F2 HAZARDOUS BUILDING MATERIALS: Performance F2.3.1. Solitex Extasana ® Wall Underlay meets this requirement and will not present a health hazard to people.

Supporting Evidence

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



CodeMark
[GM-CM30032- RevE](#)

Use in Service History

Used in:

- Te Uru Taumata - New Zealand Living Building Challenge
- Unitec housing
- Habitat for Humanity
- Housing New Zealand
- Salvation Army special housing developments
- NZ Certified Builders projects
- Registered Master Builders projects

Product Criteria

Design requirements

Timber and Steel Framing

1. Studs must be provided at maximum 600 mm centres. Dwalgs must be fitted flush between the studs at maximum 1200 mm centres.

General:

Solitex Extasana ® Wall Underlay is intended for use as an alternative to conventional building papers which are fixed over timber or steel framed walls in order to limit the entry of wind into building cavities, and to act as a secondary barrier to wind driven rain.

The material also provides a degree of temporary weather protection during early construction. However, the product will not make the building weathertight and some wetting of the underlying structure is always possible before the building is closed in. Hence, the building must be closed-in and made weatherproof before moisture sensitive materials such as wall or ceiling linings and insulation materials are installed.

Solitex Extasana ® Wall Underlay must not be exposed to the weather or ultra violet light for a total of more than 90 days before being covered by the wall cladding.

Solitex Extasana ® Wall Underlay is suitable for use under wall claddings as a wall underlay as called up in NZBC Acceptable Solution E2/AS1 (AMENDMENT 6 – FEBRUARY 2014), Table 23 on timber framed buildings. Solitex Extasana ® Wall Underlay is suitable for use as an absorbent synthetic wall underlay (type W4) as called up in NZS 2295:2006, Table 2.4. Refer to Table 1.

Installation requirements

1. Installation shall always be carried out by:

- A Licensed Building Practitioner (LBP) with a experience in wall underlay installation; or,
- A person with experience in wall underlay installation being supervised by an LBP. 2. The LBP shall also:
- Comply with all of the relevant technical information related to the products use including information contained within the Solitex Extasana ® Wall Underlay Installation Guide, titled 'Pro Clima Solitex Extasana ® Wall Protection Membrane, Version 2012-09 ID DIG-147', and the CodeMark Certificate; and,
- Upon completion of the installation, complete and sign a Certificate of Installation and return it to Pro Clima NZ Limited.

Maintenance requirements

Provided it is not exposed to the weather or ultra-violet light for a total of more than 90 days, and provided the exterior cladding is maintained in accordance with the cladding manufacturer's instructions and the cladding remains weather resistant, Solitex Extasana ® Wall Underlay is expected to have a serviceable life equal to that of the cladding. No maintenance is required during this time

Company Product Information

Relationships



Member of New Zealand Green Building Council

Videos

[pro clima SOLITEX EXTASANA® Wall Weather Resistive](#)



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