# PRODUCT CERTIFICATE

## SOLITEX EXTASANA® WALL UNDERLAY

CERTIFICATE: **CMNZ 30032**
Version No: **Rev F1**

### 3 DESCRIPTION OF BUILDING METHOD OR PRODUCT

SOLITEX EXTASANA®Wall Underlay is a flexible synthetic absorbent wall underlay. The product consists of a monolithic water-resistant film laminated between two layers of non-woven spun-bonded polypropylene and is coloured blue on the top surface and grey on the bottom surface.

### 4 INTENDED USE OF BUILDING METHOD OR PRODUCT

SOLITEX EXTASANA® Wall Underlay is a wall underlay for use under direct fixed and non-direct fixed wall cladding on timber and steel framed buildings.

### 5 NEW ZEALAND BUILDING CODE PROVISIONS

Clause B2 DURABILITY: Performance B2.3.1(a), not less than 50 years, B2.3.1(b), 15 years and B2.3.2.
Clause C3 FIRE AFFECTING AREAS BEYOND THE FIRE SOURCE: Performance C3.4(c).
Clause E2 EXTERNAL MOISTURE: Performance E2.3.2, E2.3.5, E2.3.6 and E2.3.7 when used as part of the cladding system.
Clause F2 HAZARDOUS BUILDING MATERIALS: Performance F2.3.1.

### 6 CONDITIONS AND LIMITATIONS OF USE

### 1 CERTIFICATE HOLDER DETAILS

**Pro Clima NZ Limited**
Pro Clima
47 The Esplanade, Petone Lower Hutt
5012, New Zealand
welcome@proclima.co.nz
Tel: 0800 776 254,
www.proclima.co.nz

| ORIGINAL ISSUE DATE | VERSION DATE | RECERTIFICATION |
|---|---|---|
| 11/10/2012 | 20/12/2022 | 12/12/2025 |

### 8 SIGNATURE

Herve Michoux, Global Mark Managing Director

### 2 PRODUCT CERTIFICATION BODY

**Global-Mark Pty Ltd**
57 Willis Street, Wellington, 6011
customer.service@global-mark.co.nz
+64 9 889 0622
www.global-mark.co.nz

The complaints process for this certificate can be found here:
https://www.global-mark.com.au/?s=complaint

# PRODUCT CERTIFICATE

## SOLITEX EXTASANA® WALL UNDERLAY

1. SOLITEX EXTASANA® Wall Underlay use is certified as flexible wall underlay for buildings:
    a. within the scope limitations of
        i. NZBC Acceptable Solution E2/AS1, Third Edition including amendment 10 (5 November 2020), Paragraph 1.1 for timber-framed buildings; or,
        ii. NASH Building Envelope Solutions (2019), Paragraph 1.1 for steel-framed buildings; and,
    b. with absorbent or non-absorbent wall claddings either direct fixed or installed over an 18 mm minimum drained cavity; or,
    c. with masonry veneer in accordance with
        i. NZBC Acceptable Solution E2/AS1 Third Edition including amendment 10 (5 November 2020) for timber-framed buildings or
        ii. NASH Building Envelope Solutions (2019) for steel-framed buildings; and,
    d. situated in
        i. NZS 3604;2011 and NASH Standard Part 2 Wind Zones up to, and including, Very High; or,
        ii. NZS 3604:2011 and NASH Standard Part 2 Wind Zones up to, and including, Extra High when used
            1. over an 18 mm minimum drained cavity; and,
            2. over a rigid wall underlay in accordance with NZBC Acceptable Solution E2/AS1 Third Edition including amendment 10 (5 November 2020) or NASH Building Envelope Solutions (2019) Paragraph 9.1.7.2.
2. SOLITEX EXTASANA® Wall Underlay must be installed in accordance with the
    a. For timber framed buildings: SOLITEX EXTASANA® Application Guide – Timber Frame; Dated 20/04/2022 or for metal framed buildings: SOLITEX EXTASANA® Application & Fixing Guide – Light. Steel Frame; Dated 15/11/2022 and
    b. the following sets of drawings:
    - A-2211-Ceiling-Midfloor-45mm-service-cavity-Plattformframing 06-03-2019 RevD
    - A-2212-Ceiling-Midfloor-direct-fixing-Plattformframing 06-03-2019 RevD
    - A-2213-Ceiling-Midfloor-Balloon-Framing 06-03-2019 revD
    - A-2214-CEILING-MIDFLOOR-DETAIL 03-10-2019 RevD
    - A-3111-Wall-Timber-Framing-45mm-service-cavity RevD
    - A-3112-Wall-Timber-Framing-direct-fixing revD
    - A-5121-Timber-Framed-Wall-to-Slab-foundation 13-07-2021 RevA
    - A-5171-Masonry-Veneer-Below-Ground-NZ RevA
    - A-5172-Brick-veneer-on-Structural-insulation-NZ 13-08-2021 RevA
    - A-5211-Timber-floor-on-piles 02-07-2021 REVA
    - W-3111-Wall-Timber-Framing-45mm-service-cavity RevD
    - W-3112-Wall-Timber-Framing-Direct-fixing RevD
    - W-3613-Timber-framing-to-Thermally-broken-Mid-Floor 22/12/2021 RevA
    - W-4131-Recessed Thermally Broken Aluminium Sill With Backd Dam RevA
    - W-4331-Timber-Window-to-Sill-to-SIP RevD
    - W-4431-uPVC-Window-Sill-To-Timber-Framing RevD
    - W-5121-Timber-Framed-Wall-to-Slab-foundation-13-07-2021 RevA
    - W-5171-Masonry-Veneer-Below-Ground-NZ 13-07-2021 RevA
    - W-5172-Brick-veneer-on-Structural-insulation-NZ 13-08-2021 RevA
    - W-5211-Timber-floor-on-piles 02-07-2021 RevA
3. Timber and Steel Framing: Studs must be provided at maximum 600 mm centres. Dwangs (nogs) must be fitted flush between the studs at maximum 1200 mm centres.
4. SOLITEX EXTASANA® Wall Underlay must not be exposed to the weather or ultra violet light for a total of more than 180 days before being covered by the wall cladding.
5. In cavity installations where the cavity battens are installed at greater than 450 mm centres, the wall underlay must be supported between the battens to prevent the underlay bulging into the cavity space when bulk insulation is installed in the wall frame cavity in accordance with the requirements of NZBC Acceptable Solution E2/AS1 (AMENDMENT 10 – 05 November 2020), Paragraph 9.1.8.5 for timber frame or NASH Building Envelope Solutions (2019), Paragraph 9.1.9.5 referenced by NZBC Acceptable Solution E2/AS4 (First edition –28 November 2019) for steel frame. Wall underlay support options includes polypropylene straps, 75mmm galvanised mesh or galvanised wire, or vertical cavity battens or thermal break sheathing (steel frame only).

# PRODUCT CERTIFICATE

## SOLITEX EXTASANA® WALL UNDERLAY

6. When used as a non-rigid backing material for stucco, SOLITEX EXTASANA® Wall Underlay must be supported with 75 mm galvanised mesh or plastic tape or wire at 150 mm centres run across the cavity battens to limit deflection to a maximum of 5 mm.
7. SOLITEX EXTASANA® Wall Underlay must be separated from fireplaces, heating appliances, HVAC, flues and chimneys in accordance with the requirements of Part 7 of NZBC Acceptable Solutions C/AS1 (AMENDMENT 5 – 05 November 2020), or C/AS2 (AMENDMENT 2 – 05 November 2020), or NZBC Verification method C/VM1 (AMENDMENT 5 – 05 November 2020).

### 7 HEALTH AND SAFETY INFORMATION

Standard industry safety practices and manufacturer safety requirement as detailed in the technical literature including the applicable MSDS and SDS must be observed at all times. Please refer to SOLITEX EXTASANA® Safety Datasheet (06/04/2020)

### 9 BASIS FOR CERTIFICATION

The certification decision is based on independent technical review(s) of test report(s), engineering opinion(s) and other documented evidence(s), factory audit(s) and site review(s)

| Code Clause | Compliance pathway | Evidence |
|---|---|---|
| Clause B2 DURABILITY | Alternative solution based on expert opinion and B2VM1 | 001, 002, 003, 004, 005, 008 |
| Clause C3 FIRE AFFECTING AREAS BEYOND THE FIRE SOURCE | Acceptable solution C/AS2 | 001, 002, 003, 004, 005, 007 |
| Clause E2 EXTERNAL MOISTURE | Alternative solution E2/AS1 for timber framed building and NASH for steel framed buildings Envelop Solutions referenced by NZBC Acceptable Solution E2/AS4 | 001, 002, 003, 004, 005 |
| Clause F2 MATERIALS | Alternative solution based on expert opinion | 001, 002, 003, 004, 005, 006 |

### 10 SUPPORTING DOCUMENTATION FOR CERTIFICATION

| Ref | Author | Title | Date and/or revision |
|---|---|---|---|
| 001 | BRANZ | Appraisal of SOLITEX EXTASANA® Wall Underlay (Appraisal 1163 (2021) | |
| 002* | BRANZ | Basis of Appraisal SOLITEX EXTASANA® Wall Underlay (Appraisal 1163 (2021) | |
| 003 | pro clima | SOLITEX EXTASANA® Application Guide – Timber Frame | 20/04/2022 |
| 004 | pro-clima | SOLITEX EXTASANA® Application & Fixing Guide – Light Steel Frame | 15/11/2022 |
| 005 | pro clima | SOLITEX EXTASANA® Technical Data Sheet | 26 05 2021 |
| 006 | pro clima | SOLITEX EXTASANA® Safety Data Sheet | 06.04.2020 |
| 007* | NZWTA | Test Report – 11/186 | 01/06/2001 |
| 008 | BRANZ | Assessment of the durability of pro clima SOLITEX EXTASANA® | DC16606-01-1 dated 26/08/2022 |

* These documents were provided commercial in confidence and are not publicly available

# PRODUCT CERTIFICATE

## SOLITEX EXTASANA® WALL UNDERLAY

| 11 | SUPPORTING INFORMATION ABOUT DESCRIPTION (OPTIONAL) |
|---|---|
| Nil | |
| 12 | SUPPORTING INFORMATION ABOUT INTENDED USE (OPTIONAL) |

1. 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 10 – 05 November 2020), Table 23 on timber framed buildings and NASH Building Envelope Solutions (2019) table 23 referenced by NZBC Acceptable Solution E2/AS4 (First edition –28 November 2019) on steel-framed buildings, including non-absorbent wall claddings such as vinyl and metal -based weatherboards in direct fixed situations. SOLITEX EXTASANA® Wall Underlay is suitable for use under cavity based wall cladding as an absorbent synthetic wall underlay (type W4) as called up in NZS 2295:2006, Table 2.4 on steel-framed buildings. 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.
2. 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.
3. SOLITEX EXTASANA® Wall Underlay may also be use as
    a. a non-rigid backing material for stucco plaster in accordance with the requirements of NZBC Acceptable Solution E2/AS1 (AMENDMENT 10 – 05 November 2020), Paragraph 9.3.5.1 for timber framing or NASH Building Envelope Solutions (2019) Paragraph 9.3.5.1 referenced by NZBC Acceptable Solution E2/AS4 (First edition –28 November 2019 for steel framing, or,
    b. a slip layer over rigid backings for stucco plaster in accordance with the requirements of NZBC Acceptable Solution E2/AS1 (AMENDMENT 10 – 05 November 2020), Paragraph 9.3.3.1 b) for timber framing or NASH Building Envelope Solutions (2019) Paragraph 9.3.3.1 b) for steel framing
4. SOLITEX EXTASANA® Wall Underlay can be added as a second layer over head flashings in accordance with the requirements of NZBC Acceptable Solution E2/AS1 (AMENDMENT 10 – 05 November 2020), Paragraph 9.1.10.3.

| 13 | SUPPORTING INFORMATION ABOUT CONDITIONS AND LIMITATIONS OF USE (OPTIONAL) |
|---|---|
| Nil | |

**End of document**