



BRANZ Appraised

Appraisal No. 758 [2024]

UNITEX BASE BOARD® CAVITY SYSTEM

Appraisal No. 758 [2024]

This Appraisal replaces BRANZ
Appraisal No. 758 [2018]



BRANZ Appraisals

Technical Assessments of
products for building and
construction.

sto

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Product

- 1.1 The Unitex Base Board® Cavity System is an External Insulated Finishing System (EIFS) wall cladding. The system is designed for use as an external wall cladding system for residential buildings.
- 1.2 The Unitex Base Board® Cavity System consists of factory coated expanded polystyrene (EPS) sheets (Uni-Base Boards®), which are fixed over EPS battens to form a drained cavity. The render coating system consists of a fibreglass mesh reinforced base coat followed by the application of finishing renders. The chosen finishing render can be applied to give a range of different surface textures and is then finished with a 100% acrylic paint system.
- 1.3 The system incorporates a primary and secondary means of weather resistance (first and second line of defence) against water penetration by separating the cladding from the external wall framing with a nominal 20 mm drained cavity.

Scope

- 2.1 The Unitex Base Board® Cavity System has been appraised for use as an external wall cladding system for buildings within the following scope:
 - Class 1 and Class 10 buildings; and,
 - up to three storeys in height; and,
 - with floor plan area limited only by seismic and structural control joints; and,
 - constructed with timber framing in accordance with AS 1684.2 and AS 1684.4, or steel framing in accordance with AS/NZS 4600 or NASH Standards; and,
 - situated in non-cyclonic (region A and B) wind classification areas up to, and including, N3.
- 2.2 The structural and weathertightness design for each specific structure is the responsibility of the building designer.
- 2.3 The Unitex Base Board® Cavity System must only be installed on vertical, flat surfaces. The tops of parapets, sills and balustrades must have a minimum 8° slope and be waterproofed in accordance with the Technical Literature.
- 2.4 The Unitex Base Board® Cavity System has been appraised for use with aluminium window and door joinery that is installed with vertical jambs and horizontal heads and sills. *[Note: The Appraisal of the Unitex Base Board® Cavity System relies on the joinery meeting the requirements of AS 2047 or AS 1288 for the relevant wind classification.]*
- 2.5 Installation of components and accessories supplied by Sto Australia Pty Ltd and building contractors must be carried out only by Sto Australia Pty Ltd trained and recommended applicators.

Building Regulations

National Construction Code (NCC)

- 3.1 In the opinion of BRANZ, the Unitex Base Board® Cavity System, if designed, used, installed and maintained in accordance with the statements and conditions of this Appraisal, will meet or contribute to meeting the following provisions of the NCC:

NCC 2022 Volume Two - Building Code of Australia

Part H1 STRUCTURE: Performance H1P1. The Unitex Base Board® Cavity System meets this requirement for actions arising from the following imposed actions: permanent actions (dead loads) limited to self-weight, imposed actions (live loads arising from occupancy and use), and wind action limited to non-cyclonic Wind Regions [i.e. H1P1 [2] (a), (b) and (c)]. See Paragraphs 10.1-10.4.

Part H2 DAMP AND WEATHERPROOFING: Performance H2P2. The Unitex Base Board® Cavity System meets this requirement. See Paragraphs 16.1-16.4.

Part H7 ANCILLARY PROVISIONS AND ADDITIONAL CONSTRUCTION REQUIREMENTS: Performance H7P5. The Unitex Base Board® Cavity System meets this requirement. See Paragraphs 15.1 and 15.2.

Technical Specification

- 4.1 System components and accessories supplied by Sto Australia Pty Ltd are as follows:

Expanded Polystyrene (EPS)

- **Unitex cavity battens** are manufactured from high density (Class H) EPS with a nominal density of 24 kg/m³. The battens are 20-25 mm thick x 40 mm wide x 2.4 m long.
- Factory coated **Uni-Base Boards®** are available in either 50 mm thick EPS sheets (Class M) or 75 and 100 mm thick (Class SL) EPS sheets. The Class M sheets have a nominal density of 19 kg/m³ and the Class SL have a nominal density of 14 kg/m³. The boards are supplied 1.2 m wide x 2.4 m long and must be manufactured to meet the requirements of AS 1366.3. The boards are factory coated with polymer-modified cement-based render with an embedded alkali-resistant fibreglass mesh.
- **Unitex Levelling Base Blocks** are manufactured from lightweight concrete with a Class SL EPS insert and are used in conjunction with the Unitex Cavity Closer at the base of the wall. The Unitex Levelling Base Blocks are factory manufactured with polymer-modified cement-based render with an embedded alkali-resistant fibreglass mesh, and are supplied 2.4 m long.
- **Uni-Shape® Sill Blocks** are manufactured from lightweight concrete with a Class SL EPS insert and are used to provide rigidity and slope to the windowsill area. The sill blocks are factory coated with polymer-modified cement-based render with an embedded alkali-resistant fibreglass mesh and are supplied in lengths to suit the window frame.
- **Unitex Wedge Head Protectors** are manufactured from Class H EPS. Unitex Wedge Head Protectors are 20 mm thick and are shaped to prevent water from pooling on the top of meter boxes and other small wall penetrations.

Renders

- **Unitex Uni Cote® Dry Polymer Render** is a Portland cement-modified, polymer-based render supplied in 20 kg bags and mixed on-site with clean drinking water to a fine consistency. It is applied over the reinforcing mesh at all joints in the Uni-Base Board® factory coated sheets, window returns, internal and external corners and all washer heads.
- **Unitex Polymer Render** is a polymer-based paste render supplied in 15 L pails that is adjusted on-site with an addition of 5-10% Portland cement. It is applied as a base coat with embedded alkali-resistant fibreglass reinforcing mesh over window returns, internal and external corners and all washer heads.

- **Uni Dry Cote® Base Board® Render** is a polymer-modified, Portland cement-based render supplied in 20 kg bags and mixed on-site with clean drinking water. It is applied as the levelling/filling coat over Uni-Base Boards® in a minimum 5 mm thick layer.
- **Unitex Applied Decorative Dry Powder Textures (Uni Dry Cote® Textures)** are a range of polymer-modified, Portland cement-based finishing renders supplied in 20 kg bags and mixed on-site with clean drinking water. They are available in scratch, fine scratch, fine trowel and medium trowel to provide different surface finishes.
- **Unitex Applied Decorative Pre-Coloured Paste Textures (Uni Decor® Textures)** are a range of pre-coloured acrylic textures supplied in 15 L pails. They are available in fine-medium grade, heavy-coarse grade, 2-3 mm scratch, 1-2 mm scratch, 0.5-1 mm scratch, fine trowel finish, medium trowel finish, rough trowel finish, fine sand finish and medium sand finish to provide different surface finishes.

Paint System Specification

- At least two coats of a 100% acrylic-based exterior paint must be used over Uni Dry Cote® finishing textures to improve the system's weathertightness and give the desired finish colour to exterior walls. Uni®-PTC is a 100% acrylic-based exterior paint formulated for use over Uni Dry Cote® cement-based applied texture finishes and optionally over Uni Décor® pigmented acrylic polymer-based applied texture finishes. To maintain the exterior durability and freshness of the Unitex Base Board® Cavity System, regular maintenance and re-coating with Uni®-PTC every 7-10 years is recommended. Uni®-PTC is supplied in 15 L pails. Paint colours must have a light reflectance value of 40% minimum regardless of gloss value.

4.2 Accessories used with the Unitex Base Board® Cavity System are:

- **Unitex® Cavity Closer** - an aluminium L angle with perforations to allow a total opening area of 1,000 mm² per lineal metre.
- **Starter channel** - as an alternative to the Unitex Levelling Base Blocks, a starter strip may be used. The starter strips are U-shaped channels made of aluminium and are available in widths of 50, 75 and 100 mm to suit the Uni-Base Board® panel width.
- **Reinforcing mesh** - Uni-Mesh® IM 250 is an alkali-resistant fibreglass mesh with a nominal mesh size of approximately 5 mm square and a weight of 160 g/m².
- **Angle beads** - Uni-304 stainless steel or aluminium angle beads for use at external corners.
- **Timber framing fixings for Uni-Base Boards®** - 100 x 3.55 mm (for 50 mm thick sheets), 125 x 3.55 mm (for 75 mm thick sheets) and 150 x 3.55 mm (for 100 mm thick sheets) AS 3566 Corrosion Class 3 wood screws in mild or moderate industrial or marine environments and Corrosion Class 4 or stainless steel (Grade 316 or 316L) wood screws in severe marine environments with 50 mm diameter washers.
- **Steel framing fixings for Uni-Base Boards®** - 100 x 3.55 mm (for 50 mm thick sheets), 125 x 3.55 mm (for 75 mm thick sheets) and 150 x 3.55 mm (for 100 mm thick sheets) self-drilling AS 3566 Corrosion Class 3 screws in mild or moderate industrial or marine environments and Corrosion Class 4 or stainless steel (Grade 316 or 316L) screws in severe marine environments with 50 mm diameter washers.
- **Washers** - 50 mm diameter HDPE washers.
- **Cavity batten fixings** - 30 or 40 x 2.5 mm hot-dip galvanised steel flat head nails for timber framing, or construction adhesive for temporary fixing to sarking over timber or steel framing.
- **Waterproof membrane tapes** - tapes covered by a valid BRANZ Appraisal for use as waterproofing membranes over tops of plastered parapets, balustrades, fixing blocks and the like.
- **Flexible sealant** - sealant complying with Type F, Class 25LM of ISO 11600. The sealant must be recommended by Sto Australia Pty Ltd.
- **Adhesive foam** - self-expanding, moisture cure polyurethane foam for use at junctions of Uni-Base Boards®.
- **Window and door trim cavity air seal** - self-expanding, moisture cure polyurethane foam air seal for use around window, door and other wall penetration openings.

- 4.3 Accessories used with the Unitex Base Board® Cavity System, which are supplied by the building contractor are:
- **Sarking** - vapour permeable wall sarking complying with AS/NZS 4200.1.
 - **Sarking support** - polypropylene strap for securing the sarking in place and preventing bulging of the bulk insulation into the drainage cavity where cavity battens are installed at greater than 450 mm centres. *[Note: Additional vertical battens may also be installed to provide support.]*
 - **Flexible sill and jamb flashing tapes** - flexible flashing tapes complying with ICBO Acceptance Criteria AC148, or flexible flashing tapes covered by a valid BRANZ Appraisal for use around window and door joinery openings.
 - **Flashings** - including window and door joinery head flashings, parapet cap flashings and horizontal joint flashings. All terminations and junctions must be adequately flashed using materials which are compatible with the Unitex Base Board® Cavity System and comply with AS/NZS 2904.
 - **Cavity closer** - as an alternative to the Unitex® Cavity Closer, uPVC cavity closers of the same profile and with equivalent opening area may be used. They must be a minimum of 0.75 mm thick and comply with Clauses 8, 9.2, 9.3 and 9.4 of AS/NZS 4256 Part 2 and have a finish colour with a light reflectance value of 40% or more when measured in accordance with ASTM C 1549.

Handling and Storage

- 5.1 Handling and storage of all materials supplied by Sto Australia Pty Ltd or the trained and recommended applicator, whether on-site or off-site, is under the control of Sto Australia Pty Ltd trained and recommended applicators. Dry storage must be provided on-site for the fibreglass mesh and renders. Uni-Base Board® and accessories must be protected from direct sunlight and physical damage, and should be stored flat and under cover. Liquid components must be stored in frost-free conditions.
- 5.2 Handling and storage of all materials supplied by the building contractor, whether on-site or off-site, are under the control of the building contractor. Materials must be handled and stored in accordance with the relevant manufacturer's instructions.

Technical Literature

- 6.1 This Appraisal must be read in conjunction with:
- Unitex Base Board® Cavity Technical Manual, dated March 2022.
- 6.2 All aspects of design, use, installation and maintenance contained in the Technical Literature and within the scope of this Appraisal must be followed.

Design Information

Framing

Timber Framing

- 7.1 The Unitex Base Board® Cavity System is suitable for use with Class 1 and Class 10 timber-framed buildings that have been specifically designed in accordance with AS 1684.2 and AS 1684.4.
- 7.2 In all cases, studs must be at maximum 600 mm centres for wind classes up to, and including, non-cyclonic N3. Nogs must be fitted flush between the studs at maximum 800 mm centres.
- 7.3 Timber framing must have a maximum moisture content of 24% at the time of the Uni-Base Board® application. *[Note: If Uni-Base Boards® are fixed to framing with a moisture content of greater than 24%, problems may occur at a later date due to excessive timber shrinkage.]*

Steel Framing

- 7.4 The Unitex Base Board® Cavity System is suitable for use with Class 1 and Class 10 steel-framed buildings that have been specifically designed in accordance with AS/NZS 4600 or NASH Standard – Residential and low-rise steel framing – Part 1 Design criteria.
- 7.5 The minimum framing specification is ‘C’ section studs and nogs of overall section size of 75 mm web and 32 mm flange. Steel thickness must be minimum 0.55 mm. In all cases, studs must be at maximum 600 mm centres for wind classes up to and including, non-cyclonic N3. Nogs must be fitted flush between the studs at maximum 800 mm centres.

Uni-Base Board® Setout

- 7.6 All Uni-Base Boards® must be supported and fixed through the cavity battens to the framing. Horizontal board edges must be supported at fixing locations with maximum 100 mm long cavity spacers. At the base of the wall, the Unitex Levelling Base Blocks must hang 50 mm below the supporting framing.
- 7.7 Additional framing will be required at soffits, internal and external corners and window and door openings for the support and fixing of Uni-Base Board® edges.

General

- 8.1 Openings in the cavity closer must provide a minimum ventilation opening area of 1,000 mm² per lineal metre of wall.
- 8.2 At ground level, finished surfaces, such as footpaths, must be kept clear of the bottom edge of the cladding system by a minimum of 100 mm, and unpaved surfaces by 175 mm.
- 8.3 At balcony, deck or roof/wall junctions, the bottom edge of the Unitex Base Board® Cavity System must be kept clear of any adjacent surface, or above the top surface of any adjacent roof flashing by a minimum of 35 mm.
- 8.4 All buildings must have barriers to airflow in the form of interior linings with all joints stopped, or alternatively, unlined gables and walls must incorporate a rigid sheathing, e.g. fibre cement or plywood sheet. Where rigid sheathings are used, the fixing length must be increased by a minimum of the thickness of the sheathing.
- 8.5 Where the system abuts other cladding systems, designers must detail the junction to meet their own requirements and the performance requirements of the NCC. Details not included within the Technical Literature have not been assessed and are outside the scope of this Appraisal.

Electrical Cables

- 8.6 PVC sheathed electrical cables must be prevented from direct contact with the Uni-Base Board®. When cables must penetrate the Uni-Base Board® for exterior electrical connections, the cable must be directly supported by passing through an electrical conduit.

Termites

- 8.7 Where the building is required to be protected from subterranean termite attack, the building must be protected by a barrier system that complies with the requirements of AS 3660.1. The selected system must be compatible with the use of EPS in the system.

Expansion/Control Joints

9.1 Expansion/control joints must be constructed in accordance with the Technical Literature, and be provided as follows:

- **Horizontal expansion/control joints** - at maximum 6 m centres; at floor levels in timber-framed construction and at floor levels in steel-framed construction where significant movement is expected.
- **Vertical expansion/control joints** - at maximum 6 m centres; aligned with any control joint in the structural framing or substrate; where the system abuts different cladding types, where the system covers different substrate materials or where significant structural movement occurs such as changes in roofline, building shape, or structural system.

[Note: Horizontal and vertical expansion/control joints must be located over structural supports. The design of vertical expansion/control joints where the system abuts different cladding types is outside the scope of this Appraisal and is the responsibility of the designer - refer to Paragraph 8.5.]

Inter-storey Junctions

9.2 Inter-storey drained joints must be provided for walls over two-storeys in height. Inter-storey junctions must be constructed in accordance with the Technical Literature.

[Note: It is the responsibility of the building designer to determine the requirements for barriers to vertical fire spread at inter-storey junctions.]

Structure

Mass

10.1 The mass of the Unitex Base Board® Cavity System is approximately 9 kg/m².

Impact Resistance

10.2 The system has adequate resistance to impacts likely to be encountered in normal residential use. The likelihood of impact damage to the system should be considered at the design stage, and appropriate protection such as the installation of bollards and barriers should be considered for vulnerable areas.

Wind Classifications

10.3 The Unitex Base Board® Cavity System is suitable for use in non-cyclonic [regions A and B] wind classification areas up to, and including, N3.

Uni-Base Boards® Fixing

10.4 Uni-Base Boards® must be fixed through the cavity battens and cavity spacers to the wall framing at the maximum centres specified in Table 1.

Table 1: Uni-Base Boards® Fixing Centres for Edges and Intermediate Studs

BCA Wind Class	Maximum fixing centres [mm] with studs at maximum 600 mm centres	Maximum fixing centres [mm] with studs at maximum 400 mm centres
N1	300 ¹	300 ¹
N2	300 ¹	300 ¹
N3	200 ²	300 ¹

Notes:

¹ One fixing is required into each noggin and top and bottom plates at mid-nog length.

² Fixings are also required into each noggin at 200 mm centres and top and bottom plates at mid-nog.

Durability

Serviceable Life

- 11.1 The Unitex Base Board® Cavity System is expected to have a serviceable life of at least 30 years, provided the system is maintained in accordance with this Appraisal, and the fixings, Uni-Base Boards® and renders are continuously protected by a weathertight coating and remain dry in service.

Maintenance

- 12.1 Regular maintenance is essential to ensure the performance requirements of the NCC are continually met and to ensure the maximum serviceability of the system.
- 12.2 Regular cleaning [at least annually] of the surface coating is required to remove grime, dirt and organic growth and to maximise the life and appearance of the coating. Grime may be removed by brushing with a soft brush, warm water and detergent. Solvent-based cleaners must not be used.
- 12.3 Annual inspections must be made to ensure that all aspects of the cladding system, including the finishing system, base render, flashings and any sealed joints remain in a weatherproof condition. Any cracks, damaged areas or areas showing signs of deterioration which would allow water ingress, must be repaired immediately. Sealant, coatings and the like must be repaired in accordance with the instructions of Sto Australia Pty Ltd.
- 12.4 Minimum ground clearances as set out in this Appraisal and the Technical Literature must be maintained at all times during the life of the system. *[Note: Failing to adhere to the minimum ground clearances given in this Appraisal and the Technical Literature will adversely affect the long-term durability of the Unitex Base Board® Cavity System.]*

Heating Appliances, Fireplaces, Chimneys and Flues

- 13.1 The Unitex Base Board® Cavity System has not been assessed for construction associated with heating appliances and must not be used as such.

Spread of Fire

- 14.1 The Unitex Base Board® Cavity System is suitable for use on exterior walls positioned a minimum of 900 mm from an allotment boundary [other than the boundary adjoining a road alignment or other public space], and on walls positioned a minimum of 1.8 m from another building on the same allotment [other than an appurtenant Class 10 building or a detached part of the same Class 1 building]. Unitex Base Board® Cavity System installations on walls positioned outside of these restrictions have not been assessed and are outside the scope of this Appraisal.

Bushfire Prone Areas

- 15.1 The use of the Unitex Base Board® Cavity System on buildings located within designated bush fire zones shall be restricted by the requirements of AS 3959.
- 15.2 The building designer is responsible for determining the Bushfire Attack Level for the building in accordance with AS 3959, which will in turn determine whether the Unitex Base Board® Cavity System is suitable for use.

Damp and Weatherproofing

- 16.1 The Unitex Base Board® Cavity System, when installed in accordance with this Appraisal and the Technical Literature, prevents the penetration of moisture that could cause undue dampness or damage to building elements.
- 16.2 The drainage cavity must be sealed off from the roof and subfloor space to prevent the transfer of moisture laden air.
- 16.3 The details given in the Technical Literature for weather sealing are based on the design principle of having a first and second line of defence against moisture entry for all joints, penetrations and junctions. The ingress of moisture must be excluded by detailing joinery and wall interfaces as shown in the Technical Literature. Weathertightness details that are developed by the designer are outside the scope of this Appraisal and are the responsibility of the designer for compliance with the NCC.

- 16.4 The use of the Unitex Base Board® Cavity System where there is a designed cavity drainage path for moisture that penetrates the cladding, does not reduce the requirement for junctions, penetrations, etc. to remain weather-resistant.

Hazardous Building Materials

- 17.1 The Unitex Base Board® Cavity System will not present a health hazard to people in normal use.

Installation Information

Installation Skill Level Requirement

- 18.1 Installation and finishing of components and accessories supplied by Sto Australia Pty Ltd must be completed by applicators that have been trained and recommended by Sto Australia Pty Ltd.
- 18.2 Installation of the accessories supplied by the building contractor must be completed by tradespersons with an understanding of EIFS wall claddings, in accordance with instructions given within the Unitex Base Board® Cavity System Technical Literature and this Appraisal.

System Installation

Sarking and Flexible Sill and Jamb Flashing Tape

- 19.1 The selected sarking and flexible sill and jamb tape system must be installed by the building contractor in accordance with the sarking and tape manufacturer's instructions prior to the installation of the cavity battens and the rest of the Unitex Base Board® Cavity System. Sarking must be installed horizontally and be continuous around corners. The sarking must be lapped 75 mm minimum at horizontal joints and 150 mm minimum over studs at vertical joints. Particular attention must be paid to the installation of the sarking and sill and jamb tapes around window and door openings to ensure a continuous seal is achieved and all exposed wall framing in the opening is protected.

Aluminium Joinery Installation

- 19.2 Aluminium joinery and associated flashings must be installed by the building contractor in accordance with the Technical Literature. A 7.5-10 mm nominal gap must be left between the joinery reveal and the wall framing so a PEF rod and air seal can be installed after the joinery has been secured in place.

Unitex Base Board® Cavity System

- 19.3 The system must be installed in accordance with the Technical Literature by Sto Australia Pty Ltd trained and recommended applicators.
- 19.4 The Unitex render system must only be applied when the air and substrate temperature is within the range of 10-35°C.

Inspections

- 19.5 The Technical Literature must be referred to during the inspection of Unitex Base Board® Cavity System installations.

Health and Safety

- 20.1 Safe use and handling procedures for the components that make up the Unitex Base Board® Cavity System are provided in the relevant manufacturer's Technical Literature.

Basis of Appraisal

The following is a summary of the technical investigations carried out:

Tests

- 21.1 The following testing has been completed:
- BRANZ expert opinion on BCA Damp and Weatherproofing compliance for the Unitex Base Board® Cavity System was based on testing and evaluation of all details within the scope and as stated within this Appraisal. The Unitex Base Board® Cavity System was tested to the New Zealand Building Code Verification Method E2/VM1 by BRANZ. The testing assessed the performance of the foundation detail, window head, jamb and sill details, meter box head, jamb and sill details, vertical and horizontal control joints, internal and external corners and balustrade to wall junction with a plastered cap. In addition to the weathertightness test, the details contained within the Technical Literature have been reviewed, and an opinion has been given by BRANZ technical experts that the system will meet the performance levels of the BCA for exterior wall claddings.
 - Wind face load and fastener pull through testing for EIFS cladding systems by BRANZ. BRANZ determined design wind suction pressures, and by comparing these pressures with AS/NZS 1170 pressure coefficients, the fixing requirements were determined for timber and steel-framed walls.
 - The fire hazard indices of the Unitex Base Board® Cavity System have been evaluated in accordance with AS/NZS 1530.3 by Warringtonfire.

Other Investigations

- 22.1 The performance of Unitex External Insulation and Finishing Systems in Australia over the past 30 years and EIFSs in New Zealand since 1985 has been considered.
- 22.2 Structural, durability and weathertightness opinions have been given by BRANZ technical experts.
- 22.3 Site visits have been carried out by BRANZ to assess the practicability of installation, and to examine completed installations.
- 22.4 The Technical Literature has been examined by BRANZ and found to be satisfactory.

Quality

- 23.1 The manufacture of the renders has been examined by BRANZ, including methods adopted for quality control. Details regarding the quality and composition of the materials used were obtained by BRANZ and found to be satisfactory.
- 23.2 The quality of materials, components and accessories supplied by Sto Australia Pty Ltd are the responsibility of Sto Australia Pty Ltd.
- 23.3 Quality on-site is the responsibility of the Sto Australia Pty Ltd trained and recommended applicators.
- 23.4 Designers are responsible for the building design, and building contractors are responsible for the quality of installation of framing systems, sarking and joinery, air seals and joinery flashings in accordance with Sto Australia Pty Ltd's instructions.
- 23.5 Building owners are responsible for the maintenance of the Unitex Base Board® Cavity System in accordance with Sto Australia Pty Ltd's instructions.



Sources of Information

- AS 1288:2006 Glass in buildings - Selection and installation.
- AS 1366.3:1992 Rigid cellular plastic sheets for thermal insulation - Rigid cellular polystyrene - Moulded [RC/PS-M].
- AS 1684.2:2021 Residential timber-framed construction - Non-cyclonic areas.
- AS 1684.4:2010 Residential timber-framed construction - Simplified - Non-cyclonic areas.
- AS 2047:2014 Windows and external glazed doors in buildings.
- AS 3566:2002 Self-drilling screws for the building and construction industries.
- AS 3660.1:2014 Termite management - New building work.
- AS 3959:2009 Construction of buildings in bushfire-prone areas.
- AS/NZS 2904:1995 Damp-proof courses and flashings.
- AS/NZS 4600:2018 Cold-formed steel structures.
- NASH Standard - Residential and low-rise steel framing, Part 1: Design criteria.
- National Construction Code 2022, Australian Building Codes Board.




In the opinion of BRANZ, **Unitex Base Board® Cavity System** is fit for purpose and will comply with the Building Code to the extent specified in this Appraisal provided it is used, designed, installed and maintained as set out in this Appraisal.

The Appraisal is issued only to **Sto Australia Pty Ltd**, and is valid until further notice, subject to the Conditions of Appraisal.

Conditions of Appraisal

1. This Appraisal:
 - a) relates only to the product as described herein;
 - b) must be read, considered and used in full together with the Technical Literature;
 - c) does not address any Legislation, Regulations, Codes or Standards, not specifically named herein;
 - d) is copyright of BRANZ.
2. **Sto Australia Pty Ltd**:
 - a) continues to have the product reviewed by BRANZ;
 - b) shall notify BRANZ of any changes in product specification or quality assurance measures prior to the product being marketed;
 - c) abides by the BRANZ Appraisals Services Terms and Conditions;
 - d) warrants that the product and the manufacturing process for the product are maintained at or above the standards, levels and quality assessed and found satisfactory by BRANZ pursuant to BRANZ's Appraisal of the product.
3. BRANZ makes no representation or warranty as to:
 - a) the nature of individual examples of, batches of, or individual installations of the product, including methods and quality of work;
 - b) the presence or absence of any patent or similar rights subsisting in the product or any other product;
 - c) any guarantee or warranty offered by **Sto Australia Pty Ltd**.
4. Any reference in this Appraisal to any other publication shall be read as a reference to the version of the publication specified in this Appraisal.
5. BRANZ provides no certification, guarantee, indemnity or warranty, to **Sto Australia Pty Ltd** or any third party.

For BRANZ



Claire Falck

Chief Executive

Date of Issue:

30 August 2024