



Certificate of Conformity

Certification Body:



**BUREAU
VERITAS**

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Certificate Holder:



Allstate Polystyrene Industries
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Web: www.allstatepoly.com.au

Certificate number: CM70048-Rev1

THIS TO CERTIFY THAT Statewall® External Wall Cladding System

Type and/or use of product:
Exterior polystyrene cladding for use as an external cladding system.

Description of product:
Statewall® External Wall Cladding System (formerly known as Allstate ThermaLite Greenwall External Cladding System) incorporates Grade M expanded polystyrene screwed to either steel or timber wall framing through breathable wall wrap.

BCA 2019

COMPLIES WITH THE FOLLOWING BCA PROVISIONS AND STATE OR TERRITORY VARIATION(S)

	Volume One	Volume Two	
Performance Requirement(s)	N/A	P2.1.1(a),(b)(i)(ii)(iii)(viii)(xiii) P2.2.2 P2.2.3 P2.6.1 P2.7.5 N/A	Structural stability and resistance to actions Weatherproofing Dampness Energy efficiency - building Buildings in bushfire areas
Deemed-to-Satisfy Provision(s)	N/A		
State or territory variation(s)	N/A	SA P2.2.3 NSW P2.2.3 VIC P2.6.1 NSW P2.6.1(a) NT P2.6 TAS P2.7.5	Dampness Dampness Energy efficiency – building Energy efficiency - building Energy efficiency Buildings in bushfire areas

Sam Guindi
Bureau Veritas Australia Pty Ltd

Daniel Darakas
Unrestricted Building Certifier

Date of issue: 20 September 2019

Date of expiry: 22 August 2022



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SUBJECT TO THE FOLLOWING LIMITATIONS AND CONDITIONS AND THE PRODUCT TECHNICAL DATA IN APPENDIX A AND EVALUATION STATEMENTS IN APPENDIX B

Limitations and conditions:

1. The product shall be installed in accordance with the Statewall[®] External Wall Cladding System Technical and Installation Manual Edition 4, 19 September 2019.
2. Suitable for use in bushfire prone areas, from BAL Low to BAL29 when installed with other components as described in AS3959:2018 Construction of buildings in bushfire-prone areas.
3. The product shall not be used as a wall requiring a fire rating and cannot be used in construction within 900mm the allotment boundary or 1800mm from a detached Class 1 or 10 building on the same allotment.
4. The product shall only be used with semi-permeable sarking behind the panels.
5. Framing to which the product is fixed shall comply with AS1684 Residential Timber Framed Construction for timber frame or the NASH standard for steel framing.
6. The product is limited to non-cyclonic areas (Wind Regions A & B) up to and including N3 for direct and cavity fixed. Refer to Statewall[®] External Wall Cladding System Technical and Installation Manual Edition 4, 19 September 2019 for fixing requirements.

Building classification/s:

Class 1 & 10 buildings

Scope of certification: The CodeMark Scheme is a building product certification scheme. The rules of the Scheme are available at the ABCB website www.abcb.gov.au. This Certificate of Conformity is to confirm that the relevant requirements of the Building Code of Australia (BCA) as claimed against have been met. The responsibility for the product performance and its fitness for the intended use remain with the certificate holder. The certification is not transferrable to a manufacturer not listed on Appendix A of this certificate.

Disclaimer: The Scheme Owner, Scheme Administrator and Scheme Accreditation Body do not make any representations, warranties or guarantees, and accept no legal liability whatsoever arising from or connected to, the accuracy, reliability, currency or completeness of any material contained within this certificate; and the Scheme Owner, Scheme Administrator and Scheme Accreditation Body disclaim to the extent permitted by law, all liability (including negligence) for claims of losses, expenses, damages and costs arising as a result of the use of the product(s) referred to in this certificate.

APPENDIX A – PRODUCT TECHNICAL DATA

A1 Type and intended use of product

Refer to Page 1.

A2 Description of product

Refer to Page 1.

A3 Product specification

General:

Statewall[®] External Wall Cladding System consists of; Expanded EPS panels, screws fixing washers, PU expanding foam, fibreglass reinforcing mesh and render.

The components are detailed in the Statewall[®] External Wall Cladding System Technical and Installation Manual Edition 4, 19 September 2019 and consist of:

- 48mm Aluminium foil tape
- Starter channel with weep holes
- Butyl flashing tape
- Battens
- Backing rod
- Adhesive sealant
- Expanded Polystyrene (EPS) panel
- PU expanding foam
- Screws and Fixing washers
- External corner bead (external angles)
- Fibreglass reinforcing mesh
- Render

A4 Manufacturer and manufacturing plant(s)

26-28 Elliott Road, Dandenong South, Victoria 3175.

A5 Installation requirements

The product is installed in accordance with the Statewall[®] External Wall Cladding System Technical and Installation Manual Edition 4, 19 September 2019.

A6 Other relevant technical data

Allstate Polystyrene Industries, Declaration letter from Damien Pimpini – National Sales Manager.

This letter is to confirm the name change from Allstate ThermaLite Greenwall External Cladding System to Statewall[®] External Wall Cladding System.

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

1. Structural Assessment – A2.2(2)(a)/A5.2(1)(e) – A report from a professional engineer (Ian Bennie and Associates, and A2.2(2)(a)/A5.2(1)(e) – A report from a professional engineer (Acronem Consulting).
2. Weatherproofing Assessment – A2.2(2)(a)/A5.2(1)(e) – A report from a professional engineer (Ian Bennie and Associates).
3. Bushfire Assessment – A2.2(2)(a)/A5.2(1)(d) - A report issued by an Accredited Testing Laboratory (Warringtonfire)
4. Thermal Assessment – A2.2(2)(a)/A5.2(1)(e) – A report issued by an Professional Engineer (Acronem Consulting), and A2.2(a)/A5.2(1)(d) – A report issued by an Accredited Testing Laboratory (ATWA Product Testing)

B2 Reports

1. Warrington Fire, Job number FRT190048, dated 21st March 2019

This report provides test results of a simulated bushfire attack – radiant heat and small flaming sources test of elements of construction for buildings in accordance with AS1530.8.1:2018.

2. Ian Bernie and Associates, ThermaLite GreenWall External Wall Cladding System – Direct Fixed Static Ultimate Wind Load Tests to AS4040.2 (Test Report No 2016-086-S4), February 2017.

This report is a performance-based solution via a verification method providing justification for the ThermaLite GreenWall External Wall Cladding System for system wind strength, direct fix.

3. Ian Bernie and Associates, ThermaLite GreenWall External Wall Cladding System – Cavity Fixed Static Ultimate Wind Load Tests to AS4040.2 (Test Report No 2016-086-S3), February 2017.

This report is a performance-based solution via a verification method providing justification for the ThermaLite GreenWall External Wall Cladding System for system wind strength, cavity fix.

4. Ian Bernie and Associates. ThermaLite GreenWall External Wall Cladding System – Cavity Fixed NCC-2016 Verification Methods FV1 and V2.2.1 (Test Report No 2016-087-S2), dated February 2017.

This report is a verification method providing justification for the ThermaLite GreenWall External Wall Cladding System for Weatherproofing, cavity fix.

5. Ian Bernie and Associates. ThermaLite GreenWall External Wall Cladding System – Direct Fixed NCC-2016 Verification Methods FV1 and V2.2.1 (Test Report No 2016-087-S1), dated February 2017.

This report is a verification method providing justification for the ThermaLite GreenWall External Wall Cladding System for Weatherproofing, direct fix.

6. Acronem Consulting Australia Pty Ltd, Calculation of Thermal Performance of ThermaLite GreenWall 75mm – Direct Fix External Wall System, issued by Dr Cameron Chick Be(hons),Ph.D.,M.Airah, dated 25th July 2016.

This report provides calculation of thermal performance for the ThermaLite GreenWall External Wall Cladding System, 75mm direct fix.

7. Acronem Consulting Australia Pty Ltd, Calculation of Thermal Performance of ThermaLite GreenWall 100mm – Direct Fix External Wall System, issued by Dr Cameron Chick Be(hons),Ph.D.,M.Airah, dated 25th July 2016.

This report provides calculation of thermal performance for the ThermaLite GreenWall External Wall Cladding System, 100mm direct fix.

8. Acronem Consulting Australia Pty Ltd, Calculation of Thermal Performance of ThermaLite GreenWall 150mm – Direct Fix External Wall System, issued by Dr Cameron Chick Be(hons),Ph.D.,M.Airah, dated 25th July 2016.

This report provides calculation of thermal performance for the ThermaLite GreenWall External Wall Cladding System, 150mm direct fix.



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9. Acronem Consulting Australia Pty Ltd, Calculation of Thermal Performance of ThermaLite GreenWall 75mm – Cavity Fix External Wall System, issued by Dr Cameron Chick Be(hons),Ph.D.,M.Airah, dated 29th July 2016.

This report provides calculation of thermal performance for the ThermaLite GreenWall External Wall Cladding System, 75mm cavity fix.

10. Acronem Consulting Australia Pty Ltd, Calculation of Thermal Performance of ThermaLite GreenWall 100mm – Cavity Fix External Wall System, issued by Dr Cameron Chick Be(hons),Ph.D.,M.Airah, dated 29th July 2016.

This report provides calculation of thermal performance for the ThermaLite GreenWall External Wall Cladding System, 100mm cavity fix.

11. Acronem Consulting Australia Pty Ltd, Calculation of Thermal Performance of ThermaLite GreenWall 150mm – Cavity Fix External Wall System, issued by Dr Cameron Chick Be(hons),Ph.D.,M.Airah, dated 29th July 2016.

This report provides calculation of thermal performance for the ThermaLite GreenWall External Wall Cladding System, 150mm cavity fix.

12. AWTA Product Testing, Test Number 7-598063-CV, dated 26th June 2014.

This report provides test results of the ThermaLite GreenWall Panel for determination cross-breaking strength.

13. AWTA Product Testing, Test Number 7-598374-CV, dated 10th July 2014.

This report provides test results of the ThermaLite GreenWall Panel for determination of ignitability.

14. AWTA Product Testing, Test Number 7-598582-CV, dated 23rd July 2014.

This report provides test results of the ThermaLite GreenWall panel for determination of the weatherproofing capability.

15. AWTA Product Testing, Test Number 7-598062-NV, dated 26th June 2014.

This report provides test results of the ThermaLite GreenWall Panel for determination of compressive strength.

16. AWTA Product Testing, Test Number 7-598581-NV, dated 24 July 2014 2014.

This report provides test results of the ThermaLite GreenWall Panel for determination of thermal transmission properties.

17. AWTA Product Testing, Test Number 7-598021-NV, dated 25th June 2014

This report provides test results of the ThermaLite GreenWall Panel for determination of dimensional stability.