



ALLSTATE
POLYSTYRENE INDUSTRIES



statewall

External Wall Cladding System

A solution for Building Industry

ALLSTATE POLYSTYRENE INDUSTRIES
(API)



statewall

Teaming up with selected distributors, AllState can ensure that we have Statewall® where and when you need it. All our distributors are okay with the product, with installation and use ensuring that you have a local expert that will attend to your needs. For our up to date listing of distributors, please see our website.

allstatepoly.com.au | 1800 050 209 | sales@allstatepoly.com.au
26 - 28 Elliott Road, Dandenong South, VIC 3175

Why Allstate – Statewall

Polystyrene Products & External Wall Cladding System

01.



02.



03.



- Fully compliant / certified system
- Installation warranty
- A lightweight solution for Wall Cladding Systems
- Complete cladding system - Installed and certified
- Provides a weather resistant, rendered seam free finish

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A Complete System

StateWall® is a Certified System and compliant to the Building Code of Australia.

StateWall® External Wall Cladding System, developed by Allstate Polystyrene Industries (API), provides a fully certified BCA, Codemark and BAL 29 compliant solution that is lightweight and quick to install, and energy efficient solution to modern day building requirements.

The manual is provided for use by designers and builders to describe the performance and construction requirements for use of the StateWall® External Wall Cladding System for both Direct-Fix and Cavity-Fix applications.

StateWall® External Wall Cladding System has been tested, appraised and certified to the applicable performance requirements of the NCC and BCA.

Volume 2:

- Structure: (P2.1 Structural stability and resistance to actions) Tested and appraised for serviceability and strength under wind actions up to and including AS 4055 Wind Class N3.
- Energy Efficiency: (P2.6.1 Building)
- Excellent Weather Proofing Finish
- Weatherproofing and Dampness: (P2.2.2 Weatherproofing, P2.2.3 Dampness) Tested and appraised for resistance to moisture from the ground and the penetration of water.



CODEMARK[®]
Australia

Certification Body:



BUREAU VERITAS

Bureau Veritas Australia Pty Ltd
3/435 Williamstown Road
Port Melbourne VIC, 3207
Ph: 1800 855 190
www.bureauveritas.com.au

Certificate Holder:



ALLSTATE
POLYSTYRENE INDUSTRIES

Allstate Polystyrene Industries
26-28 Elliot Road
Dandenong South VIC 3175
Ph: 03 9794 0011
Web: www.allstatepoly.com.au

Type and/or use:
Exterior polystyrene

Performance Requirement(s):

Deemed-to-Satisfy Provision(s):

State or territory variation(s):



Sam Guindi
Bureau Veritas Australia Pty Ltd

Certificate number: CM70048

Quality Assured with Peace of Mind

Certificate of Conformity

Certificate number: CM70048

THIS TO CERTIFY THAT
Allstate Statewall® Cladding System

Use of product:
 polystyrene cladding for use as an external cladding system.

Description of product:
 Statewall® External Wall Cladding System (formerly known as Allstate ThermoLite 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	
N/A	P2.1.1(a),(b)(i)(ii)(iii)(viii)(xiii)	Structural stability and resistance to actions
	P2.2.2	Weatherproofing
	P2.2.3	Dampness
	P2.6.1	Energy efficiency - building
	P2.7.5	Buildings in bushfire areas
N/A	N/A	
	SA P2.2.3	Dampness
	NSW P2.2.3	Dampness
	VIC P2.6.1	Energy efficiency – building
	NSW P2.6.1(a)	Energy efficiency - building
	NT P2.6	Energy efficiency
	TAS P2.7.5	Buildings in bushfire areas



Daniel Darakas
 Unrestricted Building Certifier

Date of issue: 23 August 2019

Date of expiry: 22 August 2022



An Installation Method You Can Trust For A Weather-Tight Building Envelope

Product selection, and incorporation into the building design, must be made by a person who is conversant with the application and technical aspects of the product, and has ready access to the relevant technical information related to the product use.

Product installation must be carried out by a tradesman under the direction of a Builder, both of whom are conversant with the StateWall® External Wall Cladding System method of product installation, and have access to all relevant technical information on product installation.



External Wall Cladding System

The API External Insulation Finishing System (EIFS) is fully compliant and designed specifically for Australian conditions. With excellent insulation properties, similar methods has been used for many years in Europe successfully.

A lightweight system that has design flexibility is easy to install and will give you economy and peace of mind.



StateWall® other benefits include:

- Energy Efficient construction through excellent thermal properties
- Versatility to various architectural styles
- Lightweight for fast & economical construction
- Durability to weathering, impact & moisture
- A proven system for builders and renderers

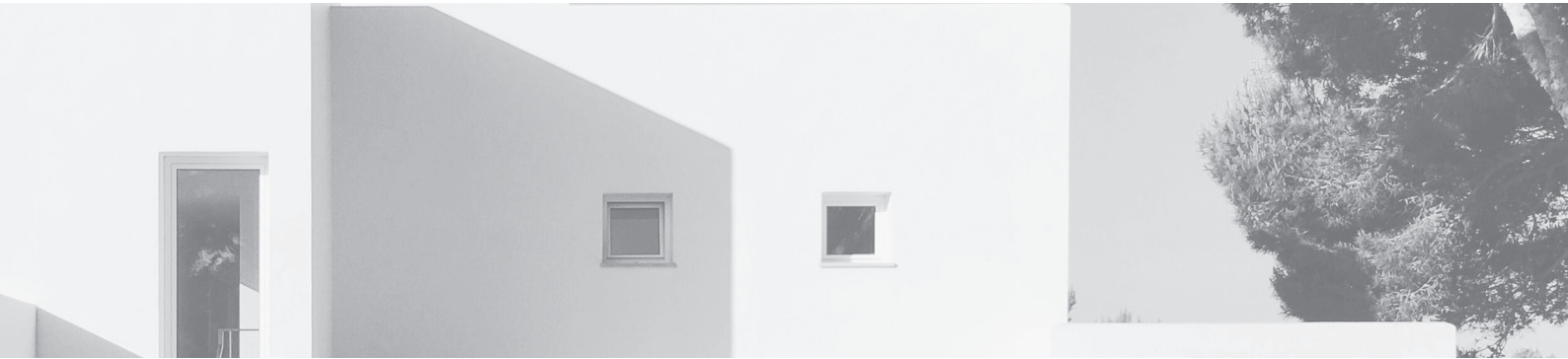


Thermal Properties

Thermal Performance, Cavity System

API Panel Size	75mm StateWall®		100mm StateWall®		150mm StateWall®	
Elemental Description	Winter R(m2K/W)	Summer R(m2K/W)	Winter R(m2K/W)	Summer R(m2K/W)	Winter R(m2K/W)	Summer R(m2K/W)
Outdoor Air Film	0.040	0.040	0.040	0.040	0.040	0.040
StateWall Panel	1.986	1.850	2.647	2.470	3.967	3.711
25mm Non-reflective Air Space	0.185	0.167	0.185	0.168	0.184	0.169
Reflective Breather Wrap	0.000	0.000	0.000	0.000	0.000	0.000
90mm Reflective Air Space	0.868	0.767	0.889	0.795	0.918	0.835
10mm Plasterboard	0.059	0.059	0.059	0.059	0.059	0.059
Indoor Air-Film	0.120	0.120	0.120	0.120	0.120	0.120
Total R Value Winter	3.3		3.9		5.3	
Elemental Description	3.0		3.7		4.9	

StateWall®External Wall Cladding System achieves high Total R-values which may be used to Part 3.12.1.4 wall insulation requirements, or as input to house energy rating software to achieve an energy rating.



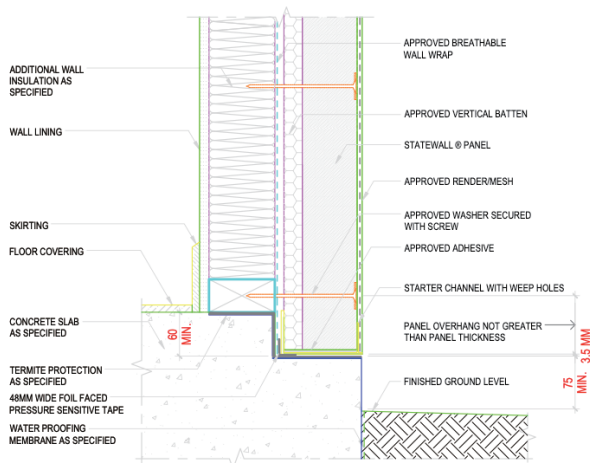
Thermal Performance, Direct Fix System

API Panel Size	75mm StateWall®		100mm StateWall®		150mm StateWall®	
Elemental Description	Winter R(m2K/W)	Summer R(m2K/W)	Winter R(m2K/W)	Summer R(m2K/W)	Winter R(m2K/W)	Summer R(m2K/W)
Outdoor Air Film	0.040	0.040	0.040	0.040	0.040	0.040
StateWall Panel	1.985	1.852	2.646	2.472	3.965	3.713
Reflective Breather Wrap	0.000	0.000	0.000	0.000	0.000	0.000
90mm Reflective Air Space	0.861	0.758	0.884	0.788	0.915	0.830
10mm Plasterboard Lining	0.059	0.059	0.059	0.059	0.059	0.059
Indoor Air-Film	0.120	0.120	0.120	0.120	0.120	0.120
Total R Value Winter	3.1		3.7		5.1	
Elemental Description		2.8		3.5		4.8

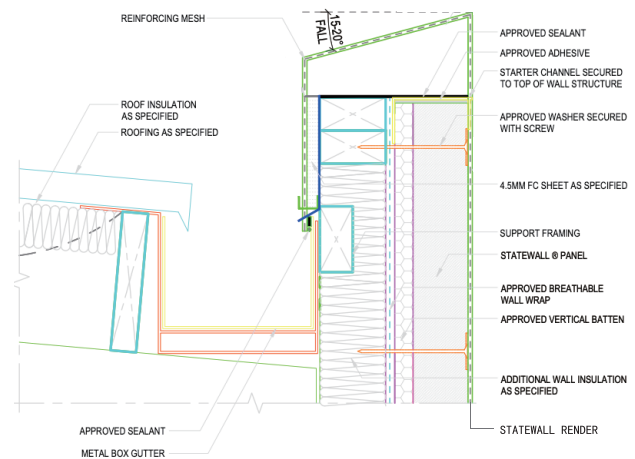
Total R-values in accordance with AS/NZS 4859

Detailed Technical drawings of total StateWall® System

Concrete Slab Rebate



Rendered Parapet Wall to Box Gutter



In all cases the StateWall® External Wall Cladding System must only be installed in accordance with the Technical Manual on steel or timber wall framing with a maximum stud spacing of 600mm.

StateWall® External Wall Cladding System must be installed only by qualified and experienced tradesmen, who are conversant with the installation techniques set out in the StateWall® External Wall Cladding System Manual.

StateWall® External Wall Cladding System complies with the NCC / BCA performance requirements for weatherproofing and dampness confirmed by testing in accordance with the verification method V2.2.1 in the NCC 2016. This represents a significantly more stringent testing requirement than previously required to achieve NCC compliance, or BRAC accreditation by the Victorian Building Authority (VBA).

In this verification method, a test specimen is required to be constructed and tested that incorporates many of the common details found in normal construction practice. StateWall® External Wall Cladding System consists of an EPS core that is made of fire-retarded expanded polystyrene tested in accordance with AS/NZ 1530.3.

Quality Control Offer

- Installed by trained and competent installer
- Technical training support
- Job registration process
- Certificate of registration & Warranty

StateWall® Installation Design Quality

- Quality controlled manufacturing procedures
- Fully Compliant Weatherproofing System
- BCA certified Weatherproofed Wind Resistance Energy Efficiency
- Job registration process
- Certificate of registration & Warranty
- Installation Certificate
- Tested to withstand the wind loading requirements in the NCC for AS 4055 Wind Classifications up to N3



StateWall® External Wall Cladding System, developed by API, provides a fully certified BCA compliant solution that is lightweight and quick to install, energy efficient solution to modern day building requirements.