



Certificate of Conformity



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Certificate Holder:

Brickworks Building Products
738-780 Wallgrove
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Certificate number: CM30077 Rev2

THIS TO CERTIFY THAT

Pronto Panel Multi-storey External Wall & Low Rise Residential External Wall System

Type and/or use of product:

Pronto Panel Multi-Residential External Wall System is non-load bearing and suitable for use as external walls of class 2 and 3 buildings.

Pronto Panel Low Rise Residential External Wall system is load-bearing and suitable for use as external walls of class 1 and 10 buildings.

Description of product:

Pronto Panels are 610-mm wide, 2440 to 3000-mm long and have an overall thickness of 60-mm. The long edges have a tongue and groove profile, all other edges are flat. The Pronto Panel core consists of aggregates bonded into a cementitious matrix. Both faces of the core are laminated with a 5-mm thick calcium silicate board.

Pronto Panels are included with other components to form the wall systems listed below. Refer to A3 for components.

- Multi-Storey External Wall System
- Low Rise Residential External Wall system

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

BCA 2016

	Volume One Amend/1	Volume Two		
Performance Requirement(s)	BP1.1(a)(b)(i, ii, iii, iv, x, xi, xii and xiv) BP1.1(b)(xiii)(A)	Structural reliability	P2.1.1(a)(b)(i, ii, iii, iv, x, xi, xii and xiv) P2.1.1(b)(xiii)(A)	Structural stability and resistance
	BP 1.2	Structural resistance	P2.1.1(c)	Structural stability and resistance
	FP1.4	Weatherproofing	P2.2.2	Weatherproofing
Deemed-to-Satisfy Provision(s):	F1.9 & F1.10	Rising damp	3.2.2.6 & 3.3.4.0	Rising damp
	Specification A2.3 & C1.1	Spread of Fire	3.7.1.5	Spread of Fire
State or territory variation(s):	SA F1.9 & SA F1.10	Rising damp	NSW 3.2.0(a) & NSW 3.2.2.6	Rising damp
			SA 3.2.2.6 and SA 3.3.4.0	Rising damp

Herve Michoux
Global-Mark Managing Director

Peter Gardner
Unrestricted Building Certifier

Date of issue: 21/08/2018

Date of expiry: 18/07/2021



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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:	Building classification/s:
<p>Volume One Amend/1 BP1.1(a)(b)(i, ii, iii, iv, x, xi, xii and xiv), BP1.1(b)(xiii)(A) and BP1.2:</p> <p>When designed and constructed in accordance with the Pronto Panel Multi-Storey External Wall Technical Manual – July 2018, Version 5.0, the following shall apply:</p> <ol style="list-style-type: none"> 1. Pronto Panels do not provide any racking resistance to walls. 2. The steel stud frames shall be in accordance with AS/NZS 4600 and design such that the ultimate axial design actions shall not exceed 65% of the ultimate limit state axial capacity; 3. Applications where the corrosivity zone category is greater than C4 are outside the scope of this certificate; 4. The external coating of the pronto panels is outside the scope of this certificate; and 5. System components or design of details not covered by the Technical Literature is subject to specific design and are outside of the scope of this certificate. 	<p>Class 2 & 3</p>
<p>Volume One Specification A2.3 & C1.1:</p> <p>When designed and constructed in accordance with the Pronto Panel Multi-Storey External Wall Technical Manual – July 2018, Version 5.0, and subject to a fire source:</p> <ol style="list-style-type: none"> 1. The external wall has an FRL of -/90/90; and 2. The materials used for the following components of the wall system must be non-combustible: <ol style="list-style-type: none"> a. Pliable membrane fixed to the wall frame; and b. Insulation located within the structural frames. 	<p>Class 2 & 3</p>
<p>Volume One FP1.4:</p> <p>When designed and constructed in accordance with the Pronto Panel Multi-Storey External Wall Technical Manual – July 2018, Version 5.0, applications are limited to:</p> <ol style="list-style-type: none"> 1. External walls with serviceability limit state wind pressure not outside of the range of +820 Pa and -1230 Pa; 2. External walls with ultimate limit state wind pressure less than or equal to 2.5 kPa; 3. External walls with a risk score less than or equal to 20 as calculated by NCC Volume One FV1(a)(i); and 4. External walls containing windows that comply with AS 2047. 	<p>Class 2 & 3</p>
<p>Volume One F1.9 & F1.10</p> <p>Pronto Panels shall always be located above a damp proof course and shall not be in contacted with the ground.</p>	<p>Class 2 & 3</p>
<p>Volume Two P2.1.1(a)(b)(i, ii, iii, iv, x, xi, xii and xiv), P2.1.1(b)(xiii)(A) and P2.1.1(c):</p> <p>When designed and constructed in accordance with the Pronto Panel Low Rise Residential External Wall Technical Manual – July 2018, Version 6.0, the following shall apply:</p>	<p>Class 1 & 10</p>

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<ol style="list-style-type: none"> 1. Pronto Panels do not provide any racking resistance to walls. 2. The stud framing shall be in accordance with the relevant standard: <ol style="list-style-type: none"> a. For timber – AS 1720 Part 1 and AS 1684 Parts 2 or 3 b. For steel – AS/NZS 4600 or NASH 3. Applications where the corrosivity zone category is greater than C4 are outside the scope of this certificate; 4. The external coating of the pronto panels is outside the scope of this certificate; and 5. System components or design of details not covered by the Technical Literature is subject to specific design and are outside of the scope of this certificate. 	
<p>Volume Two P2.2.2:</p> <p>When designed and constructed in accordance with the Pronto Panel Low Rise Residential External Wall Technical Manual – July 2018, Version 6.0, applications are limited to:</p> <ol style="list-style-type: none"> 1. External walls with serviceability limit state wind pressure not outside of the range of +820 Pa and -1230 Pa; 2. External walls with ultimate limit state wind pressure less than or equal to 2.5 kPa; 3. External walls with a risk score less than or equal to 20 as calculated by NCC Volume Two V2.2.1(a)(i); and 4. External walls containing windows that comply with AS 2047. 	<p>Class 1 & 10</p>
<p>Volume Two Part 3.2.2.6 & 3.3.4.0:</p> <p>Pronto Panels shall always be located above a damp proof course and shall not be in contacted with the ground.</p>	<p>Class 1 & 10</p>
<p>Volume Two Part 3.7.1.5:</p> <p>When designed and constructed in accordance with the Pronto Panel Low Rise Residential External Wall Technical Manual – July 2018, Version 6.0, and subject to a fire source the external wall has an FRL of 60/60/60.</p>	<p>Class 1 & 10</p>
<p>General:</p> <p>Product selection and incorporation into the building design shall be made by a professional Architect or Engineer or other appropriate person who has qualifications and experience acceptable to the relevant approval authorities and ready access to:</p> <ol style="list-style-type: none"> 1. Pronto Panel Multi-Storey External Technical Manual – July 2018, Version 5.0 and Pronto Panel Low Rise Residential External Wall Technical Manual – July 2018, Version 6.0, related to the product design and installation; and 2. Standards referenced in this certificate and the above technical manuals. 	<p>Class 1, 2, 3 & 10</p>
<p>General:</p> <p>Product installation shall be carried out by a competent tradesperson under the direction of a Builder, both of whom have ready access to Pronto Panel Multi-Storey External Technical Manual – July 2018, Version 5.0 and Pronto Panel Low-rise Residential External Walls Technical Manual – July 2018, Version 6.0.</p>	<p>Class 1, 2, 3 & 10</p>
<p>General:</p> <p>Installers must complete, sign and send to the Certificate Holder a Certificate of Installation when installation is completed.</p>	<p>Class 1, 2, 3 & 10</p>



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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.

The purpose of Global-Mark **construction site audits** is to confirm the practicability of installing the product; and to confirm the appropriateness and accuracy of installation instructions

In placing **the CodeMark mark** on the product/system, the certificate holder makes a declaration of compliance with the certification standard(s) and confirms that the product is identical to the product certified herein. In issuing this Certificate of Approval Global-Mark has relied on the **expertise of external bodies** (laboratories, and technical experts).

APPENDIX A – PRODUCT TECHNICAL DATA

A1 Type and intended use of product

Refer to Page 1 of this certificate

A2 Description of product

Refer to Page 1 of this certificate

A3 Product specification

The table below outlines the pronto panel material properties.

Pronto Panel Material Properties					
Panel size	Panel weight	Ultimate wind load capacity	Ultimate bending capacity	Dry Density	Water Absorption
2440x610x60 ± 5-mm	77 ± 5-kg	1.05-kPa	0.78 kNm/m	770 kg/m ³	<5%
2700x610x60 ± 5-mm	85 ± 5-kg	0.86-kPa			
2850x610x60 ± 5-mm	90 ± 5-kg	0.77-kPa			
3000x610x60 ± 5-mm	95 ± 5-kg	0.70-kPa			

The components for each of the wall systems are listed in the tables below.

Wall System Components		
Wall Type	Multi-storey External Wall	Low Rise Residential External Wall
Components	Pronto Panel (external face) Steel tophat battens Wall wrap (non-combustible) Steel stud frame Insulation (non-combustible) Plasterboard lining (Internal face)	Pronto Panel (external face) Steel tophat or timber battens Wall wrap Steel or timber stud frame Insulation Plasterboard lining (Internal face)

A4 Manufacturer and manufacturing plant(s)

Brickworks Building Products
 PO Box 6550,
 Wetherill Park, NSW 1851
 738 - 780 Wallgrove Road,
 Horsley Park, NSW 2175
 Tel: 02 9830 7800
www.prontopanel.com.au

A5 Installation requirements

For external walls of multi-storey buildings (class 2 & 3) refer to Pronto Panel Multi-Storey External Technical Manual July 2018, version 5.0 (item 1 listed in B2).

For external walls of low rise residential buildings (class 1 & 10) refer to Pronto Panel Low Rise Residential External Walls Technical Manual July 2018, version 6.0 (item 2 listed in B2).

A6 Other relevant technical data

Any referenced documents within the technical literature identified in Appendix A, A3 and Appendix A, A5.

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

The following assessment methods have been used to determine compliance with NCC 2016:

Code Clause	Assessment Method(s)	Evidence of suitability	Evidence reference in B2
Volume One			
BP1.1(a)(b)(i, ii, iii, iv, x, xi, xii and xiv)	Combination of A0.5(a) and (c)	A2.2a(v) and a(vi) - Test reports and expert judgement	Items 3, 4, 5, 6, 7, 8 & 9
BP1.1(b)(xiii)(A)	Combination of A0.5(a) and (c)	A2.2a(v) and a(vi) - Test reports and expert judgement	Items 3, 4, 5, 6, 7, 8 & 9
BP 1.2	Combination of A0.5(a) and (c)	A2.2a(v) and a(vi) - Test reports and expert judgement	Items 3, 4, 5, 6, 7, 8 & 9
FP1.4	Combination of A0.5(a), (b) and (c)	A2.2a(iv) and a(v) - Test reports and expert judgement	Items 15 & 16
Specification A2.3 & C1.1	A0.5(a)	A2.2a(iv) – Test reports	Item 10, 11, 12, 13 & 14
F1.9 & F1.10	A0.5(a)	A2.2a(vi) – Other documentary evidence	Item 1
Volume Two			
P2.1.1(a)(b)(i, ii, iii, iv, x, xi, xii and xiv)	Combination of 1.0.5(a) and (c)	1.2.2a(iii) and a(vi) - Test reports and expert judgement	Items 3, 4, 5, 6, 7, 8 & 9
P2.1.1(b)(xiii)(A)	Combination of 1.0.5(a) and (c)	1.2.2a(iii) and a(vi) - Test reports and expert judgement	Items 3, 4, 5, 6, 7, 8 & 9
P2.1.1(c)	Combination of 1.0.5(a) and (c)	1.2.2a(iii) and a(vi) - Test reports and expert judgement	Items 3, 4, 5, 6, 7, 8 & 9
P2.2.2	Combination of 1.0.5(a), (b) and (c)	1.2.2a(i) and (iii) - Test reports and expert judgement	Item 15 & 16
3.2.2.6 & 3.3.4.0	1.0.5(a)	1.2.2a(vi) - Other documentary evidence	Item 2
3.7.1.5	1.0.5(a)	1.2.2a(i) and a(iii) – Test Reports	Item 12, 13 & 14

B2 Reports

The following reports have been used as evidence to determine compliance with NCC 2016:

Ref	Author	Reference	Date	Description	NATA Registration
1	Brickworks Building Products	Version 5.0	July 2018	Pronto Panel Multi-Storey External Wall Technical Manual	-
2	Brickworks Building Products	Version 6.0	July 2018	Pronto Panel Low Rise Residential External Wall Technical Manual	-

3	The University of Newcastle	A/634B	March 2015	Four Point Bending Test on Pronto Panels	-
4	The University of Newcastle	A/642	April 2015	Testing of Pronto Panel Connectors – Pull Out Test	-
5	The University of Newcastle	A/651A	August 2015	Testing of Pronto Panel Connectors – Pull Out Test	-
6	The University of Newcastle	A/651B	August 2015	Testing of Pronto Panel Connectors – Shear Test	-
7	Acronem Consulting Australia Pty Ltd	ACA 150905	9 September 2015	Pronto Panel Flexural Strength, Connector Strength & Fixing Tables	-
8	Acronem Consulting Australia Pty Ltd	ACA 150925	25 September 2015	Timber Batten Strength	-
9	Mahaffey & Associates	11165	September 2017	Pronto Panel Coefficient of Thermal Expansion Test	-
10	CSIRO	FNC11425	7 July 2015	Combustibility Test Report	Accreditation No. 165
11	CSIRO	FNC11644	23 February 2016	Combustibility Test Report	Accreditation No. 165
12	CSIRO	FSV1683	16 April 2015	Fire Resistance Test Report on Separating Wall	Accreditation No. 165
13	Exova Warringtonfire	EWFA 51106200.2	15 August 2017	Fire Resistance Test Report on Separating Wall	Accreditation No. 3277
14	CSIRO	FCO-3175 E	14 February 2018	Fire Resistance Assessment Report on Pronto Panel Wall Systems	Accreditation No. 165
15	CSIRO	DTF1040	28 October 2015	Pronto Panel Wall System Water Penetration Testing to NCC V2.2.1	Accreditation No. 165
16	CSIRO	-	2 September 2016	Façade Engineering Opinion for Slab Edge Details	Accreditation No. 165

The Certificate Holder has chosen not to make the above identified evidence of compliance publicly available, due to the documents being considered commercial in confidence.