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Certificate Holder:

Brickworks Building Products

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Certificate of Conformity

Certificate number: CM30050 Rev3

THIS TO CERTIFY THAT

Pronto Panel Multi-storey Internal Wall & Low-rise Intertenancy Wall System

Type and/or use of product:

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

Pronto Panel Low-rise Intertenancy Wall System is load-bearing and suitable for use as separating walls of class 1 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.

- Intertenancy Wall 1, Corridor Wall 3 & Internal Partition Wall 5 for Multi-storey Internal Walls in class 2 & 3 buildings
- Wall type LR01, LR03, LR05, LR07 & LR09 for Low Rise Intertenancy Walls in class 1 buildings

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)	Structural Reliability	P2.1.1(a)(b)(i, ii, iii, iv, x, xi, xii, xiii(A))(c)	Structural Stability and Resistance
	BP1.2	Structural Resistance		
Deemed-to-Satisfy Provision(s):	Specification A2.3 & C1.1	Spread of Fire	3.7.1.8	Spread of Fire
	F5.5	Sound Insulation	3.8.6.2	Sound Insulation
State or territory variation(s):	NT F5.4 & NT F5.5	Sound Insulation	NSW 3.7.1.8	Spread of Fire

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

Limitations and conditions:

Volume One Amend/1 BP1.1 (a)(b)(i, ii, iii, iv, x, xi, xii) and BP1.2:

When designed and constructed in accordance with the Pronto Panel Multi-Storey Internal Technical Manual – February 2018, Version 4.0, the following shall apply:

1. The wall height shall not exceed 3000-mm;

Building classification/s:

Class 2 & 3

Herve Michoux
Global-Mark Managing Director

Peter Gardner
Unrestricted Building Certifier

Date of issue: 21/08/2018

Date of expiry: 04/09/2021



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<ol style="list-style-type: none"> 2. Panels shall be vertically aligned and shall not contain horizontal joints; and 3. The head and base of wall shall be fixed to concrete structure only. 4. Steel stud frames shall be in accordance with AS/NZS 4600 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 One Amend/1 Specification C1.1: When designed and constructed in accordance with the Pronto Panel Multi-Storey Internal Technical Manual – February 2018, Version 4.0 and subject to a fire source, the following FRL’s apply for internal non-load bearing walls:</p> <ul style="list-style-type: none"> • -/120/120 for Intertenancy Wall 1 • -/60/60 for Corridor Wall 3 • -/60/60 for Partition Wall 5 <p>Applications with openings (including doors), penetrations, chases or recesses in any part of the wall system fall outside the scope of this certification. The intersection of Pronto Panel wall systems and walls of other material types fall outside the scope of this certification. This applies to the termination of Pronto Panel walls at external facades, concrete columns, other wall systems or the like.</p>	<p>Class 2 & 3</p>
<p>Volume One Amend/1 F5.5: When designed and constructed in accordance with the Pronto Panel Multi-Storey Internal Technical Manual – February 2018, Version 4.0 the following sound insulation ratings apply:</p> <ul style="list-style-type: none"> • $R_w + C_{tr} = 50$ and discontinuous construction for Intertenancy Wall 1 • $R_w = 50$ for Corridor Wall 3 	<p>Class 2 & 3</p>
<p>Volume Two P2.1.1(a)(b)(i, ii, iii, iv, x, xi, xii, xiii(A))(c): When designed and constructed in accordance with the Pronto Panel Low-rise Intertenancy Wall Technical Manual – August 2018, Version 2.0, the following shall apply:</p> <ol style="list-style-type: none"> 1. Panels shall be vertically aligned and horizontal joints in panels shall only occur within the floor joist or ceiling space zone; 2. Floor to ceiling height of stud frames either side of the Pronto Panels shall not exceed 3000mm; and 3. Overall height of stacked Pronto Panels shall not exceed 8000mm. 4. The stud framing shall be in accordance with the relevant standard: <ul style="list-style-type: none"> ○ For timber – AS 1720 Part 1 and AS 1684 Parts 2 or 3 ○ For steel – AS/NZS 4600 or NASH 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 1</p>
<p>Volume Two 3.7.1.8: When designed and constructed in accordance with the Pronto Panel Low-rise Intertenancy Wall Technical Manual – August 2018, Version 2.0 and subject to a fire source, the following shall apply:</p> <ol style="list-style-type: none"> 1. Intertenancy Wall types LR01, LR03, LR05, LR07, LR09 achieve and FRL of 60/60/60 2. Intertenancy Wall types LR02, LR04, LR06, LR08, LR010 & LR11 are outside the scope of this certificate 3. Overall height of stacked Pronto Panels shall not exceed 8000mm. 4. 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. 5. Applications with openings (including doors), penetrations, chases or recesses in any part of the wall system fall outside 	<p>Class 1</p>

<p>the scope of this certification</p> <p>6. The intersection of Pronto Panel wall systems and walls of other material types fall outside the scope of this certification. This applies to the termination of Pronto Panel walls at external walls, concrete columns, other wall systems or the like.</p>	
<p>Volume Two 3.8.6.2: When designed and constructed in accordance with the Pronto Panel Low-rise Intertenancy Wall Technical Manual – August 2018, Version 2.0 the following sound insulation ratings apply:</p> <ul style="list-style-type: none"> • $R_w + C_{tr} \geq 50$ and discontinuous construction for wall types LR01, LR03, LR05, LR07 & LR09 	Class 1
<p>General: 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 Internal Technical Manual – February 2018, Version 4.0 and Pronto Panel Low-rise Intertenancy Wall Technical Manual – August 2018, Version 2.0, related to the product design and installation; and 2. Standards referenced in this certificate and the above technical manuals. 	Class 1, 2 & 3
<p>General: 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 Internal Technical Manual – February 2018, Version 4.0 and Pronto Panel Low-rise Intertenancy Wall Technical Manual – August 2018, Version 2.0.</p>	Class 1, 2 & 3
<p>General: Installers must complete, sign and send to the Certificate Holder a Certificate of Installation when installation is completed.</p>	Class 1, 2 & 3

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
2440 x 610 x 60 ± 5-mm	77 ± 5-kg	1.05-kPa	0.78 kNm/m	770 kg/m ³	<5%
2700 x 610 x 60 ± 5-mm	85 ± 5-kg	0.86-kPa			
2850 x 610 x 60 ± 5-mm	90 ± 5-kg	0.77-kPa			
2880 x 610 x 60 ± 5-mm	91 ± 5-kg	0.75-kPa			
3000 x 610 x 60 ± 5-mm	95 ± 5-kg	0.70-kPa			

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

Multi-Storey Internal Wall System Components			
Wall Type	Intertenancy Wall 1	Corridor Wall 3	Partition Wall 5
Components	13-mm standard plasterboard Pronto Panel 20-mm air gap 64-mm steel studs 75-mm glasswool (11kg/m ³) 13-mm standard plasterboard	13-mm standard plasterboard Pronto Panel 40-mm cavity using 28-mm furring channel 50-mm glasswool (14kg/m ³) 13-mm standard plasterboard	Pronto Panel

Note 1 - Standard plasterboard shall have a density not less than 8.4 kg/m²

Low Rise Intertenancy Wall System Components					
Wall Type	LR01	LR03	LR05	LR07	LR09
<i>Components</i>	13-mm standard plasterboard	13mm standard plasterboard	13mm standard plasterboard	13mm standard plasterboard	13mm standard plasterboard
	70-mm x 35-mm timber studs	90mm x 45mm timber studs	64mm steel studs 0.50BMT	68mm steel studs 1.00BMT	89-92mm steel studs 0.75BMT
	90-mm glasswool (20-kg/m ³)	90mm glasswool (11kg/m ³)	75mm glasswool (11kg/m ³)	90mm glasswool (20kg/m ³)	90mm glasswool (20kg/m ³)
	20-mm air gap	20mm air gap	20mm air gap	20mm air gap	20mm air gap
	60-mm Pronto Panel	60mm Pronto Panel	60mm Pronto Panel	60mm Pronto Panel	60mm Pronto Panel
	20-mm air gap	20mm air gap	20mm air gap	20mm air gap	20mm air gap
	70-mm x 35-mm timber studs	90mm x 45mm timber studs	64mm steel studs 0.50BMT	68mm steel studs 1.00BMT	89-92mm steel studs 0.75BMT
90-mm glasswool (20-kg/m ³)	90mm glasswool (11kg/m ³)	75mm glasswool (11kg/m ³)	90mm glasswool (20kg/m ³)	90mm glasswool (20kg/m ³)	
13-mm standard plasterboard	13mm standard plasterboard	13mm standard plasterboard	13mm standard plasterboard	13mm standard plasterboard	

Note 1 - Standard plasterboard shall have a density not less than 8.4 kg/m²

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
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A5 Installation requirements

For separating walls of multi-storey buildings (class 2 & 3) refer to Pronto Panel Multi-Storey Internal Technical Manual February 2018, version 4.0 (item 1 listed in B2).

For separating walls of low rise residential buildings (class 1) refer to Pronto Panel Low Rise Intertenancy Walls Technical Manual August 2018, Version 2.0 (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)	Combination of A0.5(a), (b) and (c)	A2.2a(v) and a(vi) - Test reports and expert judgement	Items 3-5
BP1.2	Combination of A0.5(a), (b) and (c)	A2.2a(v) and a(vi) - Test reports and expert judgement	Items 3-5
Specification A2.3 & C1.1	Combination of A0.5(a)	A2.2a(iv) - Test and assessment reports from an Accredited Testing Laboratory	Items 7-9 & 12-15
F5.5	Combination of A0.5(a) and (c)	A2.2a(v) and a(vi) - Test reports and expert judgement	Items 16-18
Volume Two			
P2.1.1(a)(b)(i, ii, iii, iv, x, xi, xii, xiii(A))(c)	Combination of 1.0.5(a), (b) and (c)	1.2.2a(iii) and a(vi) - Test reports and expert judgement	Items 3-5
3.7.1.8	Combination of 1.0.5(a)	1.2.2a(i) Test report from Accredited Testing Laboratory	Items 10-11
3.8.6.2	Combination of 1.0.5(a) and (c)	1.2.2a(iii) and a(vi) - Test reports and expert judgement	Items 16-18

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	-	February 2018	Pronto Panel Multi-Storey Internal Technical Manual	-
2	Brickworks Building Products	-	August 2018	Pronto Panel Low Rise Intertency Wall Technical Manual	-
3	Acronem Consulting Australia Pty Ltd	ACA-150323	23 March 2015	Brickworks Building Products Pronto Panel Flexural Strength	-
4	Acronem Consulting Australia Pty Ltd	ACA-150905	9 September 2015	Brickworks Building Products Pronto Panel (Thai) Flexural Strength, Connector Strength and Fixing Tables.	-
5	Acronem Consulting Australia Pty Ltd	-	29 May 2015	Serviceability Limit State Analysis & Connector Bearing on Angle	-
6	Enertren Pty Ltd	BWK-007	16 February 2018	Pronto Panel Discontinuous Intertency Wall Structural Design Certification	-
7	CSIRO	FSV 1683	16 April 2015	Fire-resistance test on a non-load bearing vertical separating element in accordance with AS1530.4-2014	Accreditation No. 165
8	Exova Warringtonfire	51106200.2	16 April 2015	Fire-resistance test on a non-load bearing inter-tenancy wall system in accordance with AS1530.4-2014	Accreditation No. 3277
9	CSIRO	FCO-3175	14 February 2018	Fire resistance of Brickworks Pronto Panel wall systems	Accreditation No. 165
10	Exova Warringtonfire	EWFA 50911900.3	25 July 2017	Fire-resistance test on a load bearing vertical separating element	Accreditation No. 3277
11	Exova Warringtonfire	EWFA 51504400.2A	5 January 2018	Likely fire resistance performance of Pronto Panel Party Wall System	Accreditation No. 3277
12	CSIRO	FNC11425	2 July 2015	Combustibility test in accordance with AS 1530.1-1994	Accreditation No. 165
13	CSIRO	FNC11644	23 February 2016	Combustibility test in accordance with AS 1530.1-1994	Accreditation No. 165
14	CSIRO	NK7490-2248	21 January 2016	Certificate of assessment for test for heat and smoke release to AS/NZS 3837	Accreditation No. 165
15	CSIRO	NK7490-2249	21 January 2016	Certificate of assessment for test for heat and smoke release to AS/NZS 3837	Accreditation No. 165
16	Day Design Pty Ltd	6177-1 C A001	1 March 2017	Airborne Sound Insulation Test	-



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Ref	Author	Reference	Date	Description	NATA Registration
17	Day Design Pty Ltd	5796-2A	5 April 2016	Airborne Sound Insulation Test	-
18	PKA Acoustic Consulting	PKA100BWK R01v6	6 August 2018	Acoustic Assessment	-

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.