Certificate of Conformity

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Certificate number: CM 30048 Rev 5

THIS TO CERTIFY THAT

Cemintel Territory Cavity Walling System

Type and/or use of product:

Cemintel Territory cavity walling system is an external wall cladding system designed for use with all building types, subject to limitations detailed within this certificate and system / project specific limitations.

Description of product:

- Cemintel Territory panels are 455 mm wide, 3,030 mm long and 16 mm nominal thickness.
- Cemintel Territory panels are available in differing textures and colours.
- Panels may be installed in horizontal or vertical orientation.
- The Cemintel Territory system achieves EW classification in accordance with AS5113:2016.
- The construction system components are detailed in the "Territory system design & installation manuals":
  - Cemintel Territory Design and Installation Guide for External Horizontal Installation, dated 06/2019
  - Cemintel Territory Design and Installation Guide for External Vertical Installation, dated 06/2019

COMPLIES WITH THE FOLLOWING BCA PROVISIONS AND STATE OR TERRITORY VARIATION(S) — **BCA 2019**

	Volume One		Volume Two	
Performance Requirement(s)	**BP1.1**	Structural Provisions	**P2.1.1**	Structural stability and resistance to actions
	FP1.4	Damp and Weatherproofing	**P2.2.2**	Weatherproofing
Deemed-to-Satisfy Provision(s):	**A5.4**	Fire Resistance of Building Elements		

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).

Herve Michoux
Global-Mark Managing Director

Peter Gardner
Unrestricted Building Certifier

Date of issue: 01/08/2019

Date of expiry: 01/08/2022

	C1.9	Non-Combustible Material		
	Spec C1.1	Fire-Resisting Construction	**3.7.2.4**	Fire Safety – Construction of External Walls
	G5.2	Construction in bushfire prone areas	**3.10.5.0 (c)**	Construction in bushfire prone areas
	J1.5	Building Fabric	**3.12.1.4**	Building Fabric – External Walls
State or territory variation(s):	**NSW G5.2**	Construction in Bushfire Prone Areas	**NSW 3.10.5.0**	Construction in bushfire prone areas
			QLD 3.10.5.0	Construction in bushfire prone areas
	NSW J(A)1	Building Fabric (Class 2 & 4 only)	**NSW Part 3.12.1**	Building Fabric thermal insulation
	NSW J(B)1	Energy efficiency (Class 3, 5, 6, 7, 8 & 9)		
	NT Section J	Replaced by BCA2009 Section J	**NT Part 3.12**	Replaced by BCA 2009 Part 3.12
	QLD Section J	Replaced by BCA2009 Section J (Class 2 only)		

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:**
Vol 1 BP1.1 & Vol 2 P2.1.1 The wall system as described has maximum design wind load limits documented within the relevant Design & Installation Guides. When panels are installed in a vertical orientation, the wall system is limited to applications in non-cyclonic regions. For both horizontal and vertical panel orientation, wind load limits, construction detail and fixing must follow the relevant details contained within the engineering detail sections of the relevant Design & Installation Guides. For time dependent effects, system install is limited to zones C1, C2, C3 & C4 as defined by AS4312:2008 – Atmospheric Corrosivity Zones in Australia.	**1, 2, 3, 4, 5, 6, 7, 8, 9 & 10**
Vol 1 BP1.1 (b) (v) (vi) and (ix) & Vol 2 P2.1.1 (b) (v) (vi) and (ix) Snow, liquid pressure and earth pressure actions are excluded.	**1, 2, 3, 4, 5, 6, 7, 8, 9 & 10**
Vol 1 BP1.4 & Vol 2 P2.1.2 Compliance for flood hazard areas is excluded.	**1, 2, 3, 4, 5, 6, 7, 8, 9 & 10**
Vol 1 FP1.4 & Vol 2 P2.2.2 The system remains weatherproof up to serviceability wind load of ±3.72kPa (rigid air barrier) or ±1.5kPa (flexible wall membrane).	**1, 2, 3, 4, 5, 6, 7, 8, 9 & 10**
Vol 1 FP1.7 & Vol 2 P2.4.1 Compliance for use in wet areas is excluded.	**1, 2, 3, 4, 5, 6, 7, 8, 9 & 10**
Vol1 C1.9 The Cemintel Territory cladding may be used where non-combustible materials are required.	**2, 3, 4, 5, 6, 7, 8 & 9**

Vol 1 Spec C1.1 & Vol 2 3.7.2.4 Fyrchek MR required beneath cladding material to achieve external wall FRLs (up to 90/90/90) as outlined in: Tables 6.16, 6.17, 6.18 & 6.19 in Cemintel Design & Installation Guide – Territory – External Horizontal installation, dated 06/2019, and/or Tables 6.13, 6.14, 6.15 & 6.16 in Cemintel Design & Installation Guide – Territory – External Vertical installation, dated 06/2019.	**1, 2, 3, 4, 5, 6, 7, 8, 9 & 10**
Vol 1 G5.2 & Vol 2 3.10.5.0 (c) Including respective NSW G5.2 variation: – Construction in Bushfire Prone Areas, up to BAL40.	**1, 2, 3 & 10**
Vol 1 J1.5 & Vol 2 3.12.1.4 The wall system contributes towards the Total wall system U or R value, which is to be determined in accordance with Vol 1 J1.5 & Vol 2 3.12.1.4. Insulation shall be included within the wall system, as outlined in the Territory system design & installation manuals.	**1, 2, 3, 4, 5, 6, 7, 8, 9 & 10**
Vol 1 NSW J(A)1 & Vol 2 NSW 3.12.1 Insulation in accordance with NSW BASIX.	**1, 2, 4 & 10**
Vol 1 NSW J(B)1 Insulation in accordance with energy efficiency requirements.	**3, 5, 6, 7, 8 & 9**
Vol 1 NT & QLD Section J Insulation in accordance with energy efficiency requirements of BCA 2009 Section J.	**2, 3, 4, 5, 6, 7, 8 & 9**
Vol 2 NT Part 2.6 Insulation in accordance with building fabric requirements of BCA 2009 Part 2.6.	**1 & 10**
General Compliance, where panels are exposed to temperature over 50 °C, is excluded, for example around chimneys and fireplaces.	**1, 2, 3, 4, 5, 6, 7, 8, 9 & 10**
General Internal linings to be designed & specified in accordance with internal linings manufacturer guidelines or by a suitably qualified building professional.	**1, 2, 3, 4, 5, 6, 7, 8, 9 & 10**
General The wall system shall be designed & specified by a suitably qualified design professional and installed by suitably qualified and trained building professionals, in accordance with the Territory system design & installation manuals.	**1, 2, 3, 4, 5, 6, 7, 8, 9 & 10**

APPENDIX A – PRODUCT TECHNICAL DATA

A1 Type and intended use of product

CSR Cemintel Territory Series is an external wall cladding system designed for use with all building types.

A2 Description of product

CSR Cemintel Territory Series is an external wall cladding system consisting of cement-bonded fibrous wood particle panels for attachment to structural framing of timber or steel or to a masonry wall.

A3 Product specification

Refer to items 1 & 2 listed in B2:

- Cemintel Design and Installation Guide – Territory – External Horizontal Installation, dated 06/2019
- Cemintel Design and Installation Guide – Territory – External Vertical Installation, dated 06/2019

EW Classification is achieved in accordance with AS5113 when cavity barriers and non-combustible components (including insulation) are used.

A4 Manufacturer and manufacturing plant(s)

CSR Cemintel
376 Victoria Street
Wetherill Park NSW 2164

Nichiha Corporation
2-18-19 Nishiki, Nakaku
Nagoya 460-8610, Japan

A5 Installation requirements

Refer to items 1 & 2 listed in B2:

- Cemintel Design and Installation Guide – Territory – External Horizontal Installation, dated 06/2019
- Cemintel Design and Installation Guide – Territory – External Vertical Installation, dated 06/2019

A6 Other relevant technical data

Refer to items 1 & 2 listed in B2:

- Cemintel Design and Installation Guide – Territory – External Horizontal Installation, dated 06/2019
- Cemintel Design and Installation Guide – Territory – External Vertical Installation, dated 06/2019

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
NCC Volume One BP1.1	Combination of A2.2 – 2 (a) & (c)	Combination of A5.2 – 1 (d) & (e) – Test report & expert judgement	Items 3, 4, 5, 6, 7, 8 & 27
NCC Volume Two: P2.1.1	Combination of A2.2 – 2 (a) & (c)	Combination of A5.2 – 1 (d) & (e) – Test report & expert judgement	Items 3, 4, 5, 6, 7, 8 & 27
NCC Volume One FP1.4	Combination of A2.2 – 2 (a) & (c)	Combination of A5.2 – 1 (d) & (e) – Test report & expert judgement	Items 5, 6, 14, 15, 16, 17 & 18
NCC Volume Two: P2.2.2	Combination of A2.2 – 2 (a) & (c)	Combination of A5.2 – 1 (d) & (e) – Test report & expert judgement	Items 5, 6, 14, 15, 16, 17 & 18
NCC Volume One: A5.4	Combination of A2.3 – 2 (a) & (b)	Combination of A5.2 – 1 (d) & (e) – Test report & expert judgement	Items 11, 12 & 29
NCC Volume One: C1.9	Combination of A2.3 – 2 (a) & (b)	Combination of A5.2 – 1 (d) & (e) – Test report & expert judgement	Items 10, 13, 24, 25 & 26
NCC Volume One Spec C1.1	Combination of A2.3 – 2 (a) & (b)	Combination of A5.2 – 1 (d) & (e) – Test report & expert judgement	Items 11, 12 & 28
NCC Volume Two: 3.7.2.4	Combination of A2.3 – 2 (a) & (b)	Combination of A5.2 – 1 (d) & (e) – Test report & expert judgement	Items 11, 12 & 28
NCC Volume One G5.2	Combination of A2.3 – 2 (a)& (b)	Combination of A5.2 – 1 (d) & (e) – Test report & expert judgement	Items 9 & 13
NCC Volume Two: 3.10.5.0 (c)	Combination of A2.3 – 2 (a)& (b)	Combination of A5.2 – 1 (d) & (e) – Test report & expert judgement	Items 9 & 13
NCC Volume One J1.5	Combination of A2.3 – 2 (a)& (b)	Combination of A5.2 – 1 (d) & (f) – Test report & calculation	Items 19, 20, 21, 22 & 23
NCC Volume Two: 3.12.1.4	Combination of A2.3 – 2 (a)& (b)	Combination of A5.2 – 1 (d) & (f) – Test report & calculation	Items 19, 20, 21, 22 & 23

B2 Reports

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

Ref	Author	Reference	Date	Description	NATA Registration
1	Cemintel	-	Jun-19	Cemintel Territory Series D&I Guide Horizontal install	-
2	Cemintel	-	Jun-19	Cemintel Territory Series D&I Guide Vertical install	-
3	David Beneke	2012-32-LO126	Feb-17	Structural engineer's certificate	-
4	James Cook Uni	TS1044	Aug-17	Structural test report	14937
5	Ian Bennie & Assoc	2016-066-S2	Nov-16	Structural & Weather tightness test report	2371
6	Ian Bennie & Assoc	2016-066-S3	Nov-16	Structural & Weather tightness test report	2371
7	Quasar	Q09102702-12	Jul-12	Structural analysis report	-
8	Quasar	Q11091701-0	Sep-11	Structural analysis report	-
9	BRANZ	FAR4628	Oct-16	Fire Assessment Report	-
10	SGA	277.3 R1.1	Jun-17	Combustibility assessment report	-
11	BRANZ	FAR2303	Dec-15	Fire Assessment Report	-
12	BRANZ	FAR2357	Jul-17	Fire Assessment Report	-
13	EXOVA	2593800	Feb-12	Fire Test Report	3277

14	Ian Bennie & Assoc	2016-066-S1	Nov-16	Weather proofing test report	2371
15	AECOM	-	Jul-16	Weather proofing assessment	-
16	BRANZ	DC2314-DU01	Nov-12	Weather proofing test report	-
17	BRANZ	DC2568	May-15	Weather proofing test report	-
18	CSIRO	DTF1045	Feb-16	Weather proofing test report	-
19	CSR	TC906	Mar-13	Thermal test report	-
20	CSR	-	Jul-13	Thermal assessment calculations	-
21	CSR	-	Jul-13	Thermal assessment calculations	-
22	CSR	-	Jul-13	Thermal assessment calculations	-
23	CSR	-	Jul-13	Thermal assessment calculations	-
24	Warringtonfire	RTF180305a2	Jul-19	Fire Test Report	3277
25	Warringtonfire	ASCRRTF180305a2	Jul-19	Fire Classification Report	3277
26	Warringtonfire	FAS190024-R1.2	Jul-19	Fire Assessment Report	3277
27	Quasar	B31090901-1	Sep-13	Durability / Corrosion Assessment Report	-
28	Exova Warringtonfire	2406400	Sep-09	Fire Test Report	3277

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.

End of Certificate.