Certificate of Conformity

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Certificate number: CM 30122 Rev 0

THIS IS TO CERTIFY THAT

CEDRAL Sidings (Lap/Click) Facade Systems

Type and/or use of product:

The CEDRAL Sidings (Lap & Click) Facade systems may be used as:

- Fire resistant and non-fire resistant external facades for high-rise and commercial (Class 2, 3, 4, 5, 6, 7, 8 & 9) buildings, when fixed to metal battens and framing and when fire rated construction options/components are selected (where appropriate) in accordance with the CEDRAL Sidings Technical Literature.
- Fire resistant and non-fire resistant external walls for low-rise multi residential and detached residential (Class 1 & 10) buildings, when fixed to timber or metal battens and framing and when fire rated construction options/components are selected (where appropriate) in accordance with the CEDRAL Sidings Technical Literature.

Description of product:

CEDRAL Facade system consists of CEDRAL fibre cement cladding panels in 2 profiles (Lap & Click), 2 finishes (smooth & timber-look texture), in a wide range of colours.

CEDRAL Lap is installed in a traditional lapped style while CEDRAL Click is installed as a tongue and groove cladding system. CEDRAL panels are fixed to timber battens and/or frame for Class 1 & 10 buildings or metal support frame for all building classes, with CEDRAL proprietary fixings or clips and a range of proprietary flashing and starter profiles.

CEDRAL Lap may be installed in Horizontal, Vertical or Undulated format.

CEDRAL Click may be installed in Horizontal or Vertical orientation.

CEDRAL Facade system may be installed with a flexible (pliable) or rigid weather barrier.

COMPLIES WITH THE FOLLOWING BCA PROVISIONS AND STATE OR TERRITORY VARIATION(S) **BCA 2019 + A1**

	Volume One including Amendment 1		Volume Two including Amendment 1	
Performance Requirement(s)	**BP1.1 (a), (b) (i, ii, iii)**	Structural reliability	**P2.1.1 (a), (b) (i, ii, iii)**	Structural stability and resistance
	FP1.4	Weatherproofing	**P2.2.2**	Weatherproofing

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: 12/08/2021

Date of expiry: 12/08/2024

	Deemed-to-Satisfy Provision(s):	**C1.1 (b) & Specification C1.1**	Fire resisting construction	**3.7.2.4**	Fire separation of external walls
		C1.9 (e)	Non-combustible building elements	**3.7.1.1**	Non-combustible building elements
		C1.10 (a) & Specification C1.10	Fire hazard properties		
		G5.2	Construction in bushfire prone areas	**3.10.5.0 (c)**	Construction in bushfire prone areas
	State or territory variation(s):	**SA C1.1 (a) (iv) (v), (c) & (d)**	Fire resisting construction		
		NSW C1.10 (a) (v), (b) & (c) (xiii)	Fire hazard properties		
		VIC C1.10 (c) (xv)	Fire hazard properties		
		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

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:**
Volume 1 – BP1.1 & Volume 2 – P2.1.1 The CEDRAL Sidings Facade Systems have maximum design wind load limits documented within the relevant technical literature (refer to CEDRAL Sidings technical literature). Span tables, wind load limits, construction details and components must follow the relevant details contained within the relevant CEDRAL Sidings technical literature, listed in Appendix A5.	**All Building Classes**
Volume 1 – BP1.1 (b) (v) (vi) and (ix) & Volume 2 – P2.1.1 (b) (v) (vi) and (ix) Snow, liquid pressure and earth pressure actions are excluded.	**All Building Classes**

	Volume 1 – FP1.4 & Volume 2 P2.2.2 When designed & constructed in accordance with CEDRAL Sidings Facade Systems technical literature (as listed in Appendix A5) are limited to: 1. External walls with serviceability limit state (SLS) wind pressure not exceeding ± 1.5 kPa; and 2. External walls with ultimate limit state (ULS) wind pressure not exceeding ± 2.5 kPa; and 3. External walls with a risk score of 20 or less when the sum of all risk factor scores are determined in accordance with BCA Volume One FV1.1 & BCA Volume Two V2.2.1; and 4. External walls containing windows that comply with AS 2047.	**All Building Classes**
	Volume 1 – C1.1 / Specification C1.1 & Volume 2 – 3.7.2.4 Refer to the relevant Fire Rated Walls construction options, details & conditions included in the relevant CEDRAL Sidings Facade Systems technical literature, as listed in Appendix A5. Walls constructed in accordance with Fire Rated Walls construction options provided in CEDRAL Sidings Facade Systems technical literature (as listed in Appendix A5) may achieve FRL's from an external fire source of 60/60/60, -/60/60, 90/90/90, -/120/120 or -/240/240 and must use the listed materials required for the relevant fire performance required.	**All Building Classes**
	Volume 1 – C1.9 & Volume 2 – 3.7.1.1 Non-combustibility relates to the CEDRAL Sidings wall cladding panels only. This certification is based upon the system being installed using components & accessories as specified in the CEDRAL Sidings Facade Systems technical literature (refer Appendix A5). Substitution of wall system components &/or accessories may be permitted, however the general performance specifications of components &/or accessories must be maintained for this certificate to remain valid.	**All Building Classes**
	Volume 1 – C1.9 Timber battens and timber framing must not be used for compliance with non-combustibility requirements.	**2, 3, 4, 5, 6, 7, 8 & 9**
	Volume 1 – C1.9 (a) (i) In a building required to be of Type A or B construction, construction elements and their components must be non-combustible for all external walls, common walls and non-loadbearing internal walls that are required to be fire-resisting.	**2, 3, 4, 5, 6, 7, 8 & 9**
	Volume 1 – C1.9 (d) Isolation tapes, sealing tapes, backing rods may be considered gaskets, caulking and sealants as defined in Clause C1.9 (d) of BCA Volume 1. This includes isolation tapes, sealing tapes, backing rods that are detailed in the CEDRAL Sidings Facade Systems technical literature (listed in Appendix A5).	**2, 3, 4, 5, 6, 7, 8 & 9**
	Volume 1 – C1.9 (e) (vi) Flexible membrane "Sarking-type materials" must not exceed 1mm in thickness and must have a Flammability index not greater than 5. Rigid Air Barriers must be non-combustible and remain compliant with C1.9 (e).	**2, 3, 4, 5, 6, 7, 8 & 9**

Volume 1 – C1.10 CEDRAL Siding wall cladding panels may be used where Group 1 materials are required.	**2, 3, 4, 5, 6, 7, 8 & 9**
Volume 1 – G5.2 & Volume 2 – 3.10.5.0 (c) In Bushfire prone areas, when the building is constructed in accordance with AS3959, CEDRAL Sidings Facade Systems is permitted for use as external wall cladding in buildings subject to Bushfire Attack Level in all zones up to and including BAL-FZ.	**1, 2, 3 & 10**
Volume 1 – NSW G5.2 & Volume 2 – NSW 3.10.5.0 (c) In Bushfire prone areas, when the building is constructed in accordance with AS3959, CEDRAL Sidings Facade Systems is permitted for use as external wall cladding in buildings subject to Bushfire Attack Level in all zones up to and including BAL-FZ.	**1, 2, 3 & 10**
Volume 1 – QLD G5.1 & Volume 2 – QLD 3.10.5.0 (a) In Bushfire prone areas, when the building is constructed in accordance with AS3959, CEDRAL Sidings Facade Systems is permitted for use as external wall cladding in buildings subject to Bushfire Attack Level in all zones up to and including BAL-FZ. This applies to buildings located in a designated Bushfire Prone area but does not apply, in accordance with AS3959, when the classified vegetation is Group F rainforest (excluding wet sclerophyll forest types), mangrove communities and grasslands under 300mm high.	**1, 2, 3 & 10**
General The supporting structures including stud frame & cavity sub framing, plus internal linings shall be designed & specified by a suitably qualified design professional in accordance with manufacturer guidelines and installed by suitably qualified and trained building professionals, in accordance with manufacturer guidelines and the CEDRAL Sidings Facade Systems technical literature (listed in Appendix A5).	**All Building Classes**
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 CEDRAL Sidings Facade Systems technical literature (listed in Appendix A5), and any Standards referenced in this certificate and the technical literature.	**All Building Classes**
General Product installation shall be carried out by a competent tradesperson under the direction of a Builder, both of whom have ready access to CEDRAL Sidings Facade Systems technical literature (listed in Appendix A5).	**All Building Classes**
General Installers must maintain compliance with CEDRAL Sidings Facade Systems technical literature (listed in Appendix A5) for this certification to remain valid.	**All Building Classes**

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.

The CEDRAL Sidings (Lap / Click) panels in the CEDRAL Sidings Facade systems are fibre reinforced cement sheeting (Fibre Cement) manufactured in accordance with EN 12467 and AS/NZS 2908. Material information is provided in the following Material Information Sheets:

- CEDRAL Click MIS C-45-02 en v3_NOV2020 ANZv2, and
- CEDRAL Lap MIS C-45-01 en v2_NOV2020 ANZv2.

A3 Product specification

Refer to CEDRAL Sidings Facade Systems technical literature, as listed in Appendix A5 of this certificate.

A4 Manufacturer and manufacturing plant(s)

ETEX Group – Eternit NV

Kuiermansstraat 1

B-1880 Kapelle-op-den-Bos

Belgium

www.etexgroup.com

A5 Installation requirements

Refer to CEDRAL Sidings Facade Systems technical literature, listed below and in Appendix B2 of this certificate:

1. CEDRAL Click Design & Installation Guide_AU AUG2021v2
2. CEDRAL Click Horizontal construction details _ AUG2021 AUv2
3. CEDRAL Click Vertical construction details _ AUG2021 AUv2
4. CEDRAL Click MIS C-45-02 en v3_NOV2020 ANZv2
5. CEDRAL Lap Design & Installation Guide_AU AUG2021v2
6. CEDRAL Lap Horizontal construction details _ AUG2021 AUv2
7. CEDRAL Lap Vertical construction details _ AUG2021 AUv2
8. CEDRAL Cedral Lap Undulated construction details _ AUG2021 AUv2
9. CEDRAL Lap MIS C-45-01 en v2_NOV2020 ANZv2
10. CEDRAL Cf-35-04-en-v2 Cedral general cleaning information_JUN2021 ANZv2

A6 Other relevant technical data

Refer to CEDRAL Sidings Facade Systems technical literature, listed in Appendix A5 of this certificate, and any referenced documents within the technical literature.

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

The following assessment methods have been used to determine compliance with BCA 2019 including Amendment 1:

Code Clause	Assessment Method(s)	Evidence of suitability	Evidence reference in B2
Volume 1 – BP1.1	A2.2 (2) (a) & (c)*	A5.2 (1) (d) & (e) – Test reports & Engineering Reports	Items 1, 5, 11, 12, 13, 14 & 15
Volume 2 – P2.1.1	A2.2 (2) (a) & (c)*	A5.2 (1) (d) & (e) – Test reports & Engineering Reports	Items 1, 5, 11, 12, 13, 14 & 15
Volume 1 – FP1.4	A2.2 (2) (a), (b) & (c)*	A5.2 (1) (d) & (e) – Test reports & Engineering Reports	Items 26, 27, 28, 29 & 30
Volume 2 – P2.2.2	A2.2 (2) (a), (b) & (c)*	A5.2 (1) (d) & (e) – Test reports & Engineering Reports	Items 26, 27, 28, 29 & 30
Volume 1 – C1.1 & Spec C1.1	A2.3 (2) (a) & (b)	A5.2 (1) (d) & (e) – Test reports & Engineering Reports	Items 1, 5, 16, 17, 18, 19, 20 & 21
Volume 2 – 3.7.2.4	A2.3 (2) (a) & (b)	A5.2 (1) (d) & (e) – Test reports & Engineering Reports	Items 1, 5, 16, 17, 18, 19, 20 & 21
Volume 1 – C1.9	A2.3 (2) (a) & (b)	A5.2 (1) (e) & (f) – Engineering Reports & Other Documents	Items 22 & 23
Volume 2 – 3.7.1.1	A2.3 (2) (a) & (b)	A5.2 (1) (e) & (f) – Engineering Reports & Other Documents	Items 22 & 23
Volume 1 – C1.10 & Spec C1.10	A2.3 (2) (a) & (b)	A5.2 (1) (d) & (e) – Test Reports & Engineering Reports	Items 24 & 25
Volume 1 – G5.2	A2.3 (2) (a)	A5.2 (1) (d) & (e) – Test reports & Engineering Reports	Items 1, 5, 16, 17, 18, 19, 20 & 21
Volume 2 – 3.10.5.0 (c)	A2.3 (2) (a)	A5.2 (1) (d) & (e) – Test reports & Engineering Reports	Items 1, 5, 16, 17, 18, 19, 20 & 21

* Compliance with A2.2(4) has not been established when undertaking the evaluation of this product and issuing the certification. A2.2(4) describes a process that is site specific, within which a CodeMark certificate may be part of the evidence considered.

B2 Reports

The following reports have been used as evidence to determine compliance with BCA 2019 including Amendment 1:

Ref	Author	Reference	Date	Description	NATA Registration
1.	ETEX Exteriors ANZ	CEDRAL Click Design & Installation Guide_AU AUG2021v2	Aug 2021	CEDRAL Sidings Facade Systems Technical Literature	-
2.	ETEX Exteriors ANZ	CEDRAL Click Horizontal construction details _ AUG2021 AUv2	Aug 2021	CEDRAL Sidings Facade Systems Technical Literature	-
3.	ETEX Exteriors ANZ	CEDRAL Click Vertical construction details _ AUG2021 AUv2	Aug 2021	CEDRAL Sidings Facade Systems Technical Literature	-
4.	ETEX Exteriors ANZ	CEDRAL Click MIS C-45-02 en v3_NOV2020 ANZv2	Nov 2020	CEDRAL Sidings Facade Systems Technical Literature	-
5.	ETEX Exteriors ANZ	CEDRAL Lap Design & Installation Guide_AU AUG2021v2	Aug 2021	CEDRAL Sidings Facade Systems Technical Literature	-
6.	ETEX Exteriors ANZ	CEDRAL Lap Horizontal construction details _ AUG2021 AUv2	Aug 2021	CEDRAL Sidings Facade Systems Technical Literature	-
7.	ETEX Exteriors ANZ	CEDRAL Lap Vertical construction details _ AUG2021 AUv2	Aug 2021	CEDRAL Sidings Facade Systems Technical Literature	-
8.	ETEX Exteriors ANZ	CEDRAL Cedral Lap Undulated construction details _ AUG2021 AUv2	Aug 2021	CEDRAL Sidings Facade Systems Technical Literature	-
9.	ETEX Exteriors ANZ	CEDRAL Lap MIS C-45-01 en v2_NOV2020 ANZv2	Nov 2020	CEDRAL Sidings Facade Systems Technical Literature	-
10.	ETEX Exteriors ANZ	CEDRAL Cf-35-04-en-v2 Cedral general cleaning information _ JUN2021 ANZv2	Jun 2021	CEDRAL Sidings Facade Systems Technical Literature	-
11.	Azuma Design Pty Ltd	AZT0323.20 S	5 Aug 2020	Structural Test Report	15147
12.	Azuma Design Pty Ltd	AZT0324.20 S	7 Aug 2020	Structural Test Report	15147
13.	Azuma Design Pty Ltd	AZT0325.20 S	11 Aug 2020	Structural Test Report	15147
14.	Azuma Design Pty Ltd	AZT0338.20 S	18 Aug 2020	Structural Test Report	15147

15.	Venn Engineering	VE-EQA201015D_Cedral facade systems design & span tables _ JUN2021 ANZ	1 Jun 2021	Structural Engineering Design Report	-
16.	BRANZ	FR 6112 Rev 1	26 Jun 2017	Fire Test report	IANZ 37
17.	BRANZ	FR 6113 Rev 1	22 Jun 2017	Fire Test report	IANZ 37
18.	BRE	CC 232158B Review 2 Issue 1	3 Aug 2016	Fire assessment report	UKAS 0578
19.	BRE	P106900-1005 Rev 1	19 Feb 2018	Fire assessment report	UKAS 0578
20.	WarringtonFire	FAS 190137 Rev 1.1	5 Jul 2019	Fire assessment report	3277
21.	WarringtonFire	FAS 210032 Rev 8.1	26 Mar 2021	Fire assessment report	3277
22.	Oculus Engineering	J200059	30 Jul 2020	Material Compliance Report – Fibre Cement	-
23.	ETEX Exteriors ANZ	CEDRAL	Jul 2021	Material Compliance Statement – Fire Properties	-
24.	AWTA	19-004080 – 3837	29 Aug 2019	Fire Test Report	1356
25.	AWTA	19-004080 – 5637.1	30 Aug 2019	Fire Assessment Report	1356
26.	Oculus Engineering	J200067	25 Sep 2020	Weatherproofing Assessment Report	-
27.	Facade Testing NZ	FT-R1037	30 Mar 2020	Weatherproofing Test Report	IANZ 1259
28.	Venn Engineering	VE-EQA2106101B	9 Jul 2021	Weatherproofing Assessment Report	-
29.	Ian Bennie & Assoc	2019-104-S2	8 Feb 2020	Weatherproofing Test Report	2371
30.	Ian Bennie & Assoc	2019-104-S3	8 Feb 2020	Weatherproofing Test Report	2371

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.