



PRODUCT CERTIFICATE

CEDRAL Sidings (Lap/Click) Facade Systems

CEDRAL



KEY INFORMATION

CERTIFICATE: **GM-CM30121 RevB**

1	SUMMARY OF DESCRIPTION OF BUILDING METHOD OR PRODUCT
<p>The CEDRAL Sidings (Lap / Click) Facade systems consists of CEDRAL Cladding panels in 2 profiles (Lap and Click) and 2 finishes (smooth and timber) and 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 Lap/Click planks are fixed to either timber batten or metal cladding support frame 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. Similarly, CEDRAL Click may be installed in Horizontal & Vertical orientation. CEDRAL Lap/Click may be installed with either a flexible (pliable) or rigid weather barrier.</p>	
2	SUMMARY OF INTENDED USE OF BUILDING METHOD OR PRODUCT
<p>The CEDRAL Sidings (Lap / Click) Facade systems have been certified as external wall cladding of buildings & as internal wall lining of buildings.</p>	
3	BUILDING CODE PROVISIONS
<p>The CEDRAL Sidings (Lap / Click) Facade systems if designed, used, installed and maintained in accordance with the conditions of this Certificate will comply with or contribute to compliance with the following performance provisions of the NZ Building Code:</p> <p>Clause B1 STRUCTURE: Performance B1.3.1, B1.3.2 & B1.3.4, for the relevant physical conditions of B1.3.3 (a), (h), (j) & (q)</p> <p>Clause B2 DURABILITY: Performance B2.3.1 (b)</p> <p>Clause C3 FIRE: Performance C3.4 (a), C3.5, C3.6 & C3.7</p> <p>Clause E2 EXTERNAL MOISTURE: Performance E2.3.2, E2.3.5 & E2.3.7</p> <p>Clause F2 HAZARDOUS BUILDING MATERIALS: Performance F2.3.1</p>	

4	CERTIFICATE HOLDER DETAILS
<p>Promat Australia Pty Ltd ETEX Exteriors ANZ Suite 201, 198 Harbour Esplanade Docklands VIC 3008 Australia</p> <p>Phone: +61 3 9988 2290 Email: info.anz@cedral.world Web: www.cedral.world/en-nz/cladding/</p>	

ISSUED	LAST UPDATE	EXPIRY
11/05/2021	28/06/2021	11/05/2024
5 SIGNATURE		
 Herve Michoux, Global Mark Managing Director		

6	PRODUCT CERTIFICATION BODY
<p>Global-Mark Pty Ltd 57 Willis Street Wellington, 6011 customer.service@global-mark.co.nz +64 9 889 0622 www.global-mark.co.nz</p> <p style="text-align: center;">The complaints process for this certificate can be found here:</p> <p style="text-align: center;">https://www.global-mark.com.au/?s=complaint</p>	



This certificate is issued by an independent certification body accredited by JAS-ANZ, the product certification accreditation body appointed by the Chief Executive of the Ministry of Business, Innovation and Employment under the Building Act 2004.

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7 CONDITIONS AND LIMITATIONS OF USE

- 1 The CEDRAL Sidings (Lap / Click) Facade systems are certified for use as an external wall cladding on buildings:
 - a) Within the scope limitations of the NZBC Acceptable Solution E2/AS1, Paragraph 1.1, with regards to building height & floor plan area, for buildings located in Wind Zones up to, and including Extra High (as defined in NZS 3604:2011) provided that:
 - i. A rigid air barrier is used when located in an Extra High Window Zone, or
 - ii. Either a flexible building wrap or rigid air barrier in wind zones other than Extra High, and
 - b) Constructed in accordance with the New Zealand Building Code (NZBC), with
 - i. Timber framing in accordance with NZS 3604:2011, or
 - ii. Lightweight steel framing in accordance with NZS3404:2009 Part 1 and NASH Standard Residential and Low-Rise Steel Framing Part 1: Design Criteria:2005, or
 - iii. Masonry structures in accordance with NZS4229:2013, or
 - iv. On any timber, steel framed or masonry building that has been subject to Specific Engineering Design by an appropriately qualified engineer and with the following limitations (for the purpose of compliance with E2):
 - SLS wind pressure: $\pm 1,515$ Pa, and
 - ULS wind pressure: $\pm 2,500$ Pa, and
 - Maximum building (cladding) height: 10 metres, and
 - c) With Importance Levels of 1 to 4, and
 - d) In all Exposure Zones (except for microclimates) as defined in NZS3604:2011 paragraph 4.2.4, provided all fasteners and fixings are in accordance with section 4 of NZS3604:2011, and
 - e) With aluminium window and door joinery that meets the requirements of NZS 4211:2008 and installed with suitable vertical jambs and horizontal heads and sills flashings, and
 - f) Installed within 1 metre of a relevant boundary (subject to other fire related code compliance requirements).
- 2 The CEDRAL Sidings (Lap / Click) cladding panels, as a Group 1-S material, is certified for use as an internal wall lining in buildings:
 - a) With Importance Levels of 1 to 4 and
 - b) In any area of the building, except wet areas, and
 - c) With or without an automatic fire sprinkler system,
- 3 The CEDRAL Sidings (Lap / Click) Facade systems must be specified, installed and maintained in accordance with the following documentation referenced as the applicable technical literature:
 - o CEDRAL Click Design & Installation Guide NZ - JUN2021v2, and
 - o CEDRAL Click Horizontal construction details _ FEB2021 NZv2, and
 - o CEDRAL Click Vertical construction details _ FEB2021 NZv2, and
 - o CEDRAL Lap Design & Installation Guide NZ - JUN2021v2, and
 - o CEDRAL Lap Horizontal construction details _ FEB2021 NZv2, and
 - o CEDRAL Lap Vertical construction details _ FEB2021 NZv2, and
 - o CEDRAL Lap Undulated construction details _ FEB2021 NZv2, and
 - o Cedral Sidings General Cleaning & Maintenance Information, Cf-35-04-en-v2 ANZ/v2_JUN2021.

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4 The designer shall provide a signed declaration for submission with the building consent application that the building work falls within the scope of this certificate and that all conditions of this certificate have been met, and

5 The installer shall supply a signed CodeMark Installation Declaration for consideration for issuing a Code Compliance Certificate (CCC).

8 HEALTH AND SAFETY INFORMATION

Standard industry safety practices and manufacturer safety requirement as detailed in the technical literature including the applicable MSDS and SDS must be observed at all times. Please refer to:

- o ETEX Exteriors CEDRAL Sidings (Lap & Click) Material Safety Data Sheet (MSDS) reference: C-55-01 en v1, and
- o ETEX Exteriors CEDRAL Touch-up Paint 60170 Safety Data Sheet (SDS), issued 2019/2/17 Version 1.0.

9 SUPPORTING INFORMATION ABOUT DESCRIPTION

The CEDRAL Sidings (Lap / Click) panels in the CEDRAL Sidings (Lap / Click) Facade systems are manufactured from cellulose fibre reinforced cement bonded panels (Fibre Cement). Material information is provided in the following documentation:

- o CEDRAL Click Material Information Sheet (MIS) C-45-02 en v3_NOV2020 ANZv2, and
- o CEDRAL Lap Material Information Sheet (MIS) C-45-01 en v2_NOV2020 ANZv2.

10 SUPPORTING INFORMATION ABOUT INTENDED USE

The CEDRAL Sidings (Lap / Click) Facade systems accessories and approved construction components are detailed in the following technical documentation:

- o CEDRAL Click Design & Installation Guide NZ - JUN2021v2, and
- o CEDRAL Click Material Information Sheet (MIS) C-45-02 en v3_NOV2020 ANZv2, and
- o CEDRAL Lap Design & Installation Guide NZ - JUN2021v2, and
- o CEDRAL Lap Material Information Sheet (MIS) C-45-01 en v2_NOV2020 ANZv2.

For recommended cleaning and general maintenance instructions of the CEDRAL Sidings (Lap / Click) Facade systems, refer to:

- o CEDRAL Sidings General Cleaning & Maintenance Information, Cf-35-04-en-v2 ANZ/v2_JUN2021.

11 SUPPORTING INFORMATION ABOUT CONDITIONS AND LIMITATIONS OF USE

Nil

12 BASIS FOR CERTIFICATION

The certification decision is based independent technical review(s) of test report(s), engineering opinion(s) and other documented evidence(s), factory audit(s) and site review(s), including:

Clause B1 STRUCTURE:	B1/VM1, First edition, amendment 19, 28 November 2019 through expert calculations & reference to AS/NZS 1170, AS 1720.1, AS 4600, AS/NZS 1664.1, NZS 3603 & NASH Handbook 2009.
Clause B2 DURABILITY:	B2/VM1, Second edition, amendment 12, 28 November 2019 through expert judgement & comparison of BS EN 12467:2012+A2:2018 Fibre Cement Flat Sheets – Product Specifications and Test Methods, and AS/NZS 2908.2-2000 Cellulose-Cement Products Part 2: Flat Sheets.
Clause C3 FIRE:	C/VM2, First edition, amendment 1 ,22 October 2019 through assessment of Fire Test and Assessment Reports in accordance with AS/NZS3837:1998, AS/NZS5637.1:2015 & ISO 5660.1:2015.
Clause E2 EXTERNAL MOISTURE:	E2/VM1, Third edition, amendment 9, 27 June 2019 through analysis of test reports and expert judgement.
Clause F2 HAZARDOUS BUILDING MATERIALS:	Through analysis of CEDRAL Sidings (Lap / Click) panels product MSDS & CEDRAL Touch-up Paint SDS.

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13 SUPPORTING DOCUMENTATION FOR CERTIFICATION			
Ref	Author	Title	Date and/or revision
1.	ETEX Exteriors ANZ	Cedral Click Design & Installation Guide NZ - JUN2021v2	Version 2, June 2021
2.	ETEX Exteriors ANZ	Cedral Click Horizontal construction details _ FEB2021 NZv2	Version 2, February 2021
3.	ETEX Exteriors ANZ	Cedral Click Vertical construction details _ FEB2021 NZv2	Version 2, February 2021
4.	ETEX Exteriors ANZ	Cedral Click MIS C-45-02 en v3_NOV2020 ANZv2	Version 2, November 2020
5.	ETEX Exteriors ANZ	Cedral Lap Design & Installation Guide NZ - JUN2021v2	Version 2, June 2021
6.	ETEX Exteriors ANZ	Cedral Lap Horizontal construction details _ FEB2021 NZv2	Version 2, February 2021
7.	ETEX Exteriors ANZ	Cedral Lap Vertical construction details _ FEB2021 NZv2	Version 2, February 2021
8.	ETEX Exteriors ANZ	Cedral Lap Undulated construction details _ FEB2021 NZv2	Version 2, February 2021
9.	ETEX Exteriors ANZ	Cedral Lap MIS C-45-01 en v2_NOV2020 ANZv2	Version 2, November 2020
10.	ETEX Exteriors ANZ	Cedral Sidings General Cleaning & Maintenance Information, Cf-35-04-en-v2 ANZ/v2_JUN2021	Version 2, June 2021
11.	Azuma Design Pty Ltd	Azuma AS4040.2 AZT0323.20 S	5 August 2020
12.	Azuma Design Pty Ltd	Azuma AS4040.2 AZT0324.20 S	7 August 2020
13.	Azuma Design Pty Ltd	Azuma AS4040.2 AZT0325.20 S	11 August 2020
14.	Azuma Design Pty Ltd	Azuma AS4040.3 AZT0338.20 S	18 August 2020
15.	Venn Engineering	VE-EQA201015D_Cedral facade systems design & span tables_JUN2021 ANZ	Issue D, 1 June 2021
16.	Oculus Architectural Engineering Ltd	Durability Compliance Statement for Equitone & Cedral Cladding	30 July 2020
17.	AWTA Product Testing	AS 3837 Test report no. 19-004080	29 August 2019
18.	AWTA Product Testing	AS 5637.1 Group number assessment report no. 19-004080	30 August 2019
19.	AWTA Product Testing	ISO 5660.1 Test report no. 19-004078	30 August 2019
20.	AWTA Product Testing	ISO 5660.1 Test report no. 19-004079	30 August 2019
21.	AWTA Product Testing	NZBC – C/VM2 Appendix A Group number assessment report no. 19-004079	30 August 2019
22.	Facade Testing NZ Limited	E2/VM1 Facade Test report no. FT-R1037	30 March 2020
23.	Oculus Architectural Engineering Ltd	Cedral Facade Systems Weatherproofing Assessment report no. J200067	25 September 2020
24.	ETEX Exteriors ANZ	Material Safety Data Sheet for CEDRAL Click and Lap Siding Panels, ref C-55-01/en/v1 ANZ/v2	November 2020
25.	ETEX Exteriors ANZ	Material Safety Data Sheet for CEDRAL Touch-up Paint 60170, version 1.0	17 February 2017

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14 CONDITIONS RELATING TO NOTIFICATION

- a) the certificate holder notifies the product certification body in writing of any intended change to any of the following particulars:
 - i. the name, address, or contact details of the certificate holder:
 - ii. any address of a location where a certified product is produced or manufactured:
- b) the certificate holder notifies the product certification body in writing of any intended change, modification, or alteration to any of the following:
 - i. the certified building method or product:
 - ii. the method of its production or manufacture:
 - iii. the product quality plan prepared in respect of the certified building method or product:
 - iv. the application or installation instructions for the certified building method or product:
 - v. any documentation relating to the use and maintenance of the certified building method or product:
- c) if the certificate holder has any reason to suspect that the certified building method or product does not comply with the Building Code, the certificate holder notifies the product certification body in writing of the reason for that suspicion:
- d) if the certificate holder or the product certification body finds that a certified building method or product that has been released on the market does not comply with the Building Code, the certificate holder discloses that fact in disclosure statements published in a form that is acceptable to the product certification body and to the chief executive:
- e) if the certificate is suspended or revoked, the certificate holder—
 - i. notifies all customers to whom the building method or product is regularly supplied; and
 - ii. immediately ceases using the certificate, the mark of conformity, and any reference to the number of the certificate.

End of the document