

Certificate no: CMNZ30130

Version: B

Original issue date: 30/07/2021

Version date: 23/10/2024

Renewal Date: 30/07/2027

1. Certificate Holder Details



James Hardie New Zealand Limited

Trading as James Hardie

1 O'Rorke Road, Penrose, Auckland 1061

TechnicalTeam@jameshardie.co.nz

Tel: 0800 808 868,

www.jameshardie.co.nz

2. Product Certification Body

Global-Mark Pty Ltd

Trading as Global-Mark

57 Willis Street, Wellington, 6011

customer.service@global-mark.co.nz

+64 9 889 0622

www.global-mark.co.nz

Complaints: The complaints process for this certificate can be found here:

www.global-mark.co.nz/complaints

Global-Mark Managing Director.

Herve Michoux

Product Certificate

HomeRAB™ Pre-Cladding and RAB™ Board by James Hardie

3. Description of Building Method or Product

HomeRAB™ Pre-Cladding and RAB™ Board by James Hardie are a range of rigid wall underlay products. They are sealed medium density fibre cement sheets

4. Intended use of Building Method or Product

HomeRAB™ Pre-Cladding and RAB™ Board by James Hardie are intended to be used as a rigid wall underlay behind wall cladding systems and provide a temporary weather-protecting sheathing on timber-framed buildings

5. New Zealand Building Code Provisions

The System 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:

Clause B1 STRUCTURE:	Performance B1.3.1, B1.3.2 and B1.3.4, for the relevant physical conditions of B1.3.3 (f) & (h)
Clause B2 DURABILITY:	Performance B2.3.1(a) 50 years and B2.3.2
Clause C3 FIRE AFFECTING AREAS BEYOND THE FIRE SOURCE:	Performance C3.5 (contributes to) and C3.7 (contributes to)
Clause E2 EXTERNAL MOISTURE:	Performance E2.3.2 (contributes to), E2.3.5 (contributes to), E2.3.6 (contributes to) and E2.3.7
Clause F2 HAZARDOUS BUILDING MATERIALS:	Performance F2.3.1

6. Conditions and Limitations of Use

- HomeRAB™ Pre-Cladding is certified for use on timber-framed buildings
 - complying with NZS3604:2011 and within the scope limitations of NZBC Acceptable Solution E2/AS1, 3rd Edition, amendment 10, 5 November 2020, Paragraph 1.1, with regards to building height and floor plan area; and
 - situated in Wind Zones up to, and including, Very High as defined by NZS3604:2011, and
 - for bracing applications as per the bracing system details published in the installation manual, and



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- d. with the following claddings:
 - i. absorbent wall claddings directly fixed to framing,
 - ii. non-absorbent wall claddings directly fixed to framing with a flexible wall underlay over the HomeRAB™ Pre-Cladding,
 - iii. absorbent and non-absorbent wall claddings installed over a nominal 20 mm or more drained cavity,
 - iv. masonry veneer in accordance with NZBC Acceptable Solution E2/AS1
2. RAB™ Board is certified for use as on timber-framed buildings:
 - a. of the following scope:
 - i. complying with NZS3604:2011 and within the scope limitations of NZBC Acceptable Solution E2/AS1, 3rd Edition, amendment 10, 5 November 2020, Paragraph 1.1 with regards to building height and floor plan area; or
 - ii. specifically designed in accordance with Verification Method B1/VM1 with a building height not exceeding 25 m; and Design Wind Pressures of 4.5Kpa (uls); and with inter-storey deflections designed for up to height/180 of horizontal in-plane movement during seismic SLS events (based on a 3 m inter-storey height); and
 - b. for bracing applications as per the bracing system details published in the installation manual, and
 - c. with the following claddings:
 - i. absorbent wall claddings directly fixed to framing over the RAB™ Board; and
 - ii. non-absorbent wall claddings directly fixed to framing with a flexible wall underlay over the RAB™ Board; or
 - iii. absorbent and non-absorbent wall claddings installed over a nominal 20 mm or more drained cavity; and
 - iv. masonry veneer in accordance with NZBC Acceptable Solution E2/AS1, 3rd Edition, amendment 10, 5 November 2020; and
 - d. where the wall cladding system is suitable for use with maximum wind pressures for structural and weathertightness design for:
 - i. where maximum wind zones is up to Very High as defined by NZS3604:2011 with studs at 600 mm centres maximum, and
 - ii. design wind pressures up to 3 kPa (SLS) and 4.5 kPa (ULS) where studs are at 400 mm centres maximum.
3. The RAB™ Board and HomeRAB™ Pre-Cladding by James Hardie must be specified, installed and maintained in accordance with the following documentation referenced as the applicable technical literature:
 - a. BRANZ Appraisal – James Hardie Rigid Air Barriers Appraisal no 611 (7 DECEMBER 2020)
 - b. HomeRAB™ Pre-Cladding and RAB™ Board Installation Manual, dated August 2024
 - c. James Hardie SDS Fibre Cement Products June 2022

7. Health and Safety Information



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Standard industry safety practices and manufacturer safety requirements as detailed in the technical literature including the applicable SDS must be observed at all times. Please refer to James Hardie SDS Fibre Cement Products June 2022

8. Basis for Certification

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

Code Clause	Compliance pathway	Evidence
B1 STRUCTURE	Informed by Expert judgement	009, 012, 013, 014, 015, 016, 017, 018, 019, 020, 021, 022, 023, 024
B2 DURABILITY	Informed by Expert judgement	009
C3 FIRE AFFECTING AREAS BEYOND THE FIRE SOURCE	Informed by Expert judgement and testing to NFPA 285	003, 004, 005, 006, 007, 008, 009
E2 EXTERNAL MOISTURE	Informed by Expert judgement and testing to table23 of E2/AS1	001, 002, 009
F2 HAZARDOUS BUILDING MATERIALS	Informed by Expert judgement	009, 011

9. Supporting Documentation for Certification

Rev	Author	Description	Date and/or Revision
001*	BRANZ	DC1078 Water Vapour Transmission Test to ASTM E96-00 of 3 Materials	6 October 2005
002*	BRANZ	DC1074 Resistance to water Penetration to AS/NZS4201 Part 4 on three Wall Lining Products	10 October 2005
003*	BRANZ	FC12817-001 Fire Resistance of James Hardie External Cladding systems JHETGR30, JHETGR60 and JHETRR60 in accordance with AS 1530.4-2005/2014	1 July 2020
004*	BRANZ	FC12172-001 Issue 3 James Hardie External Cladding Systems in Accordance with NFPA 285	9 July 2021



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005*	BRANZ	FSR 4206 Issue2 Non-Combustibility of James Hardie Building Product Boards	7 November 2018
006*	WarringtonFire	WF418089 Classification of Reaction to Fire Performance in Accordance with EN13501-1	12th September 2019
007*	Intertek B&C	JH cavity fix wall assembly fire test as per NFPA 285	J6706.01-121-24 - 20th August 2019
008*	Intertek B&C	JH cavity fix wall assembly fire test as per NFPA 285	J6707.01-121-24 - 21st August 2019
009	BRANZ	Appraisal No. 611 (2020) – “James Hardie Rigid Air Barriers”	Amended 07 December 2020
010	James Hardie New Zealand Limited	HomeRAB™ Pre-Cladding and RAB™ Board Installation Manual	August 2024
011	James Hardie New Zealand Limited	LQA8N – Safety data sheet – James Hardie Fibre Cement Sheet Products	Version No.: 2.0 ISSUED Date : 22/06/2022
012*	SCION	P21:2010 - 1200mm x 2.4m HomeRAB 4.5mm	5/05/2015
013*	SCION	P21:2010 1200mm x 2.40m 4.5mm RAB +GS1 wall with Pryda hold downs	17/11/2014
014*	SCION	P21:2010 600mm x 2.40m 4.5mm RAB +GS1 wall with Pryda hold downs	14/11/2014
015*	SCION	P21:2010 400mm x 2.40m 4.5mm RAB +GS1 wall with Pryda hold downs	14/11/2014
016*	SCION	P21:2010 2400mm x 2.40m 4.5 Hardiflex wall with Prdya hold downs	28/07/2014
017*	SCION	P21:2010 1200mm x 2.40m 4.5 Hardiflex wall with Prdya hold downs	28/07/2014
018*	SCION	P21:2010 600mm x 2.40m 4.5mm Hardiflex wall with Pryda hold downs	29/07/2014



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019*	SCION	P21:2010 400mm x 2.40m 4.5mm Hardiflex wall with Pryda hold downs	31/07/2014
020*	SCION	P21:2010 1200mm x 2.4m Wall 6.0mm RAB board one side, with no Brackets	25/07/2013
021*	SCION	P21 2010 600mm x 2.4m Wall RAB board one side	07/11/2012
022*	SCION	P21 2010 2400mm x 2.4m Wall 6mm RAB board one side	21/05/2012
023*	SCION	P21 2010 1200mm x 2.4m Wall 6mm RAB board one side	18/05/2012
024*	SCION	P21 2010 400mm x 2.4m Wall 6mm RAB board one side	24/05/2012

* These documents were provided commercial in confidence and are not publicly available

10. Supporting Information About Description (Optional)

Nil

11. Supporting Information About Intended Use (Optional)

Nil

12. Supporting Information About Conditions and Limitations of Use (Optional)

Compliance with E2.3.6 is related to cavities created between RAB™ Board or HomeRAB™ Pre-Cladding and the internal surface of the cladding.

All CodeMark certificates that are current much be registered with MBIE. MBIE maintains a register of valid product certificates. [Please find the register here.](#)

If the certificate is not listed on this register or it appears as (SUSPENDED), it is not a valid CodeMark certificate and does not have to be accepted by a building consent authority as establishing compliance with the New Zealand Building Code.



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