



# PRODUCT CERTIFICATE

## HomeRAB™ Pre-Cladding and RAB™ Board by JAMES HARDIE



### KEY INFORMATION

CERTIFICATE: GM-CM30130 RevA

<b>1</b>	<b>SUMMARY OF DESCRIPTION OF BUILDING METHOD OR PRODUCT</b>
	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
<b>2</b>	<b>SUMMARY OF INTENDED USE OF BUILDING METHOD OR PRODUCT</b>
	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
<b>3</b>	<b>BUILDING CODE PROVISIONS</b>
	HomeRAB™ Pre-Cladding and RAB™ Board by James Hardie, if designed, used, installed and maintained in accordance with the statements and conditions of this certificate, will comply with or contribute to compliance with the following provisions of the NZ Building Code: Clause B1 STRUCTURE: Performance B1.3.1, B1.3.2 and B1.3.4 (a), (b), (c), (d) & (e), for the relevant physical conditions of B1.3.3 (f) and (h) Clause B2 DURABILITY: Performance B2.3.1 (a) and B2.3.2. Clause E2 EXTERNAL MOISTURE: Performance E2.3.2. Clause F2 HAZARDOUS BUILDING MATERIALS: Performance F2.3.1.
	The RAB™ Board, if designed, used, installed and maintained in accordance with the statements and conditions of this certificate, will comply with or contribute to compliance with the following provisions of the NZ Building Code: Clause C3 FIRE AFFECTING AREAS BEYOND THE SOURCE: Performance C3.5 and C3.7

<b>4</b>	<b>CERTIFICATE HOLDER DETAILS</b>
	<b>James Hardie New Zealand Limited</b> Trading as James Hardie 1 O'Rorke Road, Penrose, Auckland 1006, New Zealand, TechnicalTeam@Jameshardie.co.nz Tel: 0800 808 868, www.jameshardies.co.nz

<b>ISSUED</b>	<b>LAST UPDATE</b>	<b>RECERTIFICATION</b>
30/07/2021	30/07/2021	30/07/2024
<b>5 SIGNATURE</b>		
Herve Michoux, Global Mark Managing Director		

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



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CERTIFICATE V1.5

### 7 CONDITIONS AND LIMITATIONS OF USE

- 1) HomeRAB™ Pre-Cladding is certified for use on timber-framed buildings
  - a) complying with NZS3604:2011 and within the scope limitations of NZBC Acceptable Solution E2/AS1, Paragraph 1.1 with regards to building height and floor plan area; and
  - b) situated in Wind Zones up to, and including, Very High as defined by NZS3604:2011, and
  - c) for bracing applications as per the bracing system details published in the installation manual, and
  - 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, 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;
    - 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; 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, James Hardie New Zealand dated July 2021
  - c) James Hardie SDS Fibre Cement Products Nov 2020



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<b>8 HEALTH AND SAFETY INFORMATION</b>			
Standard industry safety practices and manufacturer safety requirement as detailed in the technical literature including the applicable SDS must be observed at all time. Please refer to James Hardie SDS Fibre Cement Products Nov 2020			
<b>9 SUPPORTING INFORMATION ABOUT DESCRIPTION</b>			
Nil			
<b>10 SUPPORTING INFORMATION ABOUT INTENDED USE</b>			
Nil			
<b>11 SUPPORTING INFORMATION ABOUT CONDITIONS AND LIMITATIONS OF USE</b>			
Nil			
<b>12 BASIS FOR CERTIFICATION</b>			
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)			
<b>Code Clause</b>	<b>Compliance pathway</b>	<b>Evidence</b>	
B1	Alternative solution -Expert judgement	7,0,11,12,13,14,15,16,17,18,19,20,21,22	
B2	Alternative solution -Expert judgement	7	
C3	Alternative solution -Expert judgement	3,4,5,6,7,	
E2	Alternative solution -Expert judgement	1,2,7	
F2	Alternative solution -Expert judgement	7,9	
<b>13 SUPPORTING DOCUMENTATION FOR CERTIFICATION</b>			
<b>Ref</b>	<b>Author</b>	<b>Title</b>	<b>Date and/or revision</b>
01	BRANZ	DC1078 Water Vapour Transmission Test to ASTM E96-00 of 3 Materials	6 October 2005
02	BRANZ	DC1074 Resistance to water Penetration to AS/NZS4201 Part 4 on three Wall Lining Products	10 October 2005
03	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
04	BRANZ	FC12172-001 Issue 3 James Hardie External Cladding Systems in Accordance with NFPA 285	9 July 2021
05	BRANZ	FC12172-001 Non-Combustibility of James Hardie Building Product Boards	
06	WarringtonFire	WF418089 Classification of Reaction to Fire Performance in Accordance with EN13501-1	12 <sup>th</sup> September 2019
07	BRANZ	Appraisal No. 611 (2020) – “James Hardie Rigid Air Barriers”	Amended 07 December 2020
08	James Hardie New Zealand Limited	HomeRAB™ Pre-Cladding and RAB™ Board Installation Manual	July 2021
09	James Hardie New Zealand Limited	LQA8N - SAFETY DATA SHEET- JAMES HARDIE FIBRE CEMENT SHEETS PRODUCTS	Version No.: 1.0 ISSUED Date : 18/06/2020



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10	SCION	P21:2010 - 1200mm x 2.4m HomeRAB 4.5mm	5/05/2015
11	SCION	P21:2010 1200mm x 2.40m 4.5mm RAB +GS1 wall with Pryda hold downs	17/11/2014
12	SCION	P21:2010 600mm x 2.40m 4.5mm RAB +GS1 wall with Pryda hold downs	14/11/2014
13	SCION	P21:2010 400mm x 2.40m 4.5mm RAB +GS1 wall with Pryda hold downs	14/11/2014
14	SCION	P21:2010 2400mm x 2.40m 4.5 Hardiflex wall with Prdya hold downs	28/07/2014
15	SCION	P21:2010 1200mm x 2.40m 4.5 Hardiflex wall with Prdya hold downs	28/07/2014
16	SCION	P21:2010 600mm x 2.40m 4.5mm Hardiflex wall with Pryda hold downs	29/07/2014
17	SCION	P21:2010 400mm x 2.40m 4.5mm Hardiflex wall with Pryda hold downs	31/07/2014
18	SCION	P21:2010 1200mm x 2.4m Wall 6.0mm RAB board one side, with no Brackets	25/07/2013
19	SCION	P21 2010 600mm x 2.4m Wall RAB board one side	07/11/2012
20	SCION	P21 2010 2400mm x 2.4m Wall 6mm RAB board one side	21/05/2012
21	SCION	P21 2010 1200mm x 2.4m Wall 6mm RAB board one side	18/05/2012
22	SCION	P21 2010 400mm x 2.4m Wall 6mm RAB board one side	24/05/2012

### 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



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