
HomeRAB™
PRE-CLADDING
RAB™
BOARD
PERFORMANCE THAT WORKS

FROM THE INSIDE OUT

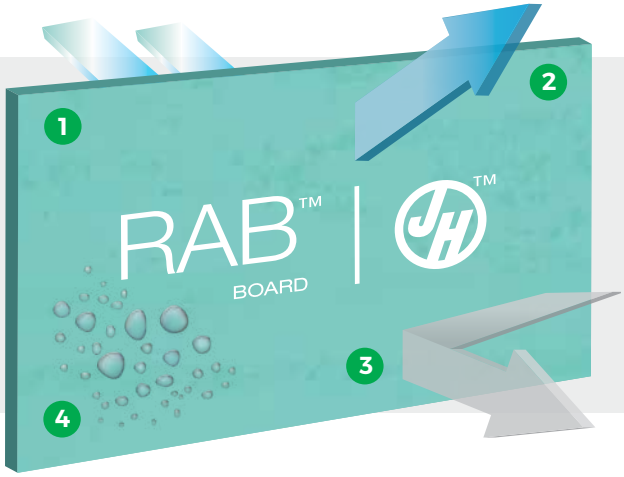
CREATE BETTER PERFORMING BUILDINGS

LEADING THE WAY

For over 15 years James Hardie has created an evolution for the way New Zealanders build, we were the first to design and manufacture a specific product for use as a rigid air barrier called RAB™ Board, which now sets the benchmark for pre-cladding. Made from premium fibre cement board they meet the challenges of an evolving world, creating a stronger building and comfort inside any living space. James Hardie create innovative, high performing and sustainable products that allow your wall underlay to meet the durability requirements and live up to their full potential.

HOW DOES IT WORK?

Rigid air barriers by James Hardie work by equalising the air pressure within the external wall cavity, making the building airtight providing superior weather-tightness, structural bracing and fire protection, whereas traditional flexible wall underlay can struggle to perform in these conditions.



1 Integral sealer on face and edges repels moisture rapidly and resists moisture penetration

2 Advanced technology allows water vapour to escape

3 Withstands wind pressures up to and including Extra High wind zones

4 Acts as temporary weather protector during construction process

PRODUCT RANGE

- HomeRAB™ Pre-Cladding 4.5mm is a cost effective rigid wall underlay designed specifically for Very High wind zones for residential buildings
- RAB Board 6mm is designed for Extra High wind zones for both residential and commercial buildings
- RAB Board 9mm is robust and impact resistant designed for heavy commercial buildings outside the scope of NZS 3604 for Specific Engineered Design projects

HomeRAB Pre-Cladding

HomeRAB PRE-CLADDING

HomeRAB Pre-Cladding is a cost-effective robust rigid air barrier offering resistance to gusting winds to reduce draught and keep your home warm creating comfort inside. Each panel is engineered with a green water repellent sealer to keep moisture out, ensuring the panel remains dry. The structural stability of fibre cement creates the strength and protection you need for your build meeting the bracing requirements of Very High wind zones, making it the perfect solution for residential buildings. That's our guarantee of superior performance and peace of mind.

EASY TO INSTALL

- Early close-in avoids delays caused by weather conditions; removing the need to reschedule sub-trades and reducing unplanned equipment hire costs
- A complete solution for external wall bracing and structural connectivity of studs to top plates; minimising the need for internal bracing elements and for additional top plate fixings
- Eliminate secondary inspection, the lintel strap can be applied over HomeRAB Pre-Cladding, saving time and producing a flatter wall finish
- Score and snap with HardieKnife™, speeding up installation time

FIRE RESISTANT

- Fibre cement is deemed as a non-combustible material
- Resistant to fire and damage from moisture and rotting

STRUCTURAL BRACING

- Suitable as structural bracing for buildings within the scope of NZS 3604 up to and including Very High wind zones
- Suitable for wind pressures to 1.5kPa (ULS)

RESISTANT TO DAMAGE FROM MOISTURE

- Creates a wind barrier equalising the pressure within the cavity to that of the exterior, enhancing the weather tightness of cladding systems used
- Built-in water resistant barrier
- Vapour permeability of HomeRAB Pre-Cladding allows the moisture to escape
- Will not warp or shrink when exposed to the weather, can be exposed for up to 180 days during construction

COMPLIANCE

- Complies with B1, B2 & E2 of the NZBC
- BRANZ Appraised
- Achieves 50 year durability
- Covered under a 15 year product warranty

HomeRAB PRE-CLADDING SHEET SIZES

Product Code	Length (mm)	Width (mm)	Thickness (mm)
404766	2450	1200	4.5
404768	2750	1200	4.5
404916	3000	1200	4.5

RAB Board

RAB Board is an all in one bracing, airtight and fire resistant fibre cement rigid air barrier. The inherent strength of RAB Board makes it an ideal product for use in shear wall design in residential or commercial specific design projects. RAB Board is a non-combustible material which will achieve excellent fire performance, unlike traditional flexible and timber wall underlays.

The unique green panel has a built in air and water resistant barrier to keep moisture out, while still allowing the moisture vapour to pass through allowing framing cavity to dry.

RAB BOARD 6MM

FIRE RESISTANT

- Fibre cement is deemed as a non-combustible material
- Up to 60 minutes fire resistance rating (FRR) can be achieved when installed as per the James Hardie Fire and Acoustic Design Manual

STRUCTURAL BRACING

- Suitable for use in Extra High wind zones or for specific design residential or commercial projects
- Suitable to withstand design wind pressures up to 4.5kPa (ULS)
- Increases the overall rigidity of the structure, minimising structural movement

RESISTANT TO DAMAGE FROM MOISTURE

- Built-in water resistant barrier
- Enhanced water repellent sealer on the surface keeps the framing cavity dry
- Will not warp or shrink and can be exposed for up to 180 days during construction

COMPLIANCE

- Complies with B1, B2, E2 and C3.7 of the NZBC
- BRANZ Appraised
- Achieves 50 year durability
- Covered under a 15 year product warranty

RAB BOARD 9MM

ACOUSTIC PERFORMANCE

- RAB Board 9mm delivers a superior acoustic performance when compared to other rigid air barrier alternatives such as 9mm plywood
- Sound Transmission Class (STC) 45

STRUCTURAL BRACING

- Suitable for shear wall design in residential and commercial buildings
- Suitable to withstand design wind pressures up to 4.5kPa (ULS)
- Improves overall structural stiffness

FIRE RESISTANT

- Fibre cement is deemed as a non-combustible material
- Up to 60 minutes fire resistance rating (FRR) can be achieved when installed as per the James Hardie Fire and Acoustic Design Manual

RESISTANT TO DAMAGE FROM MOISTURE

- Built-in water resistant barrier
- Enhanced water repellent sealer on the surface keeps the framing cavity dry
- Will not warp or shrink and can be exposed for up to 180 days during construction

COMPLIANCE

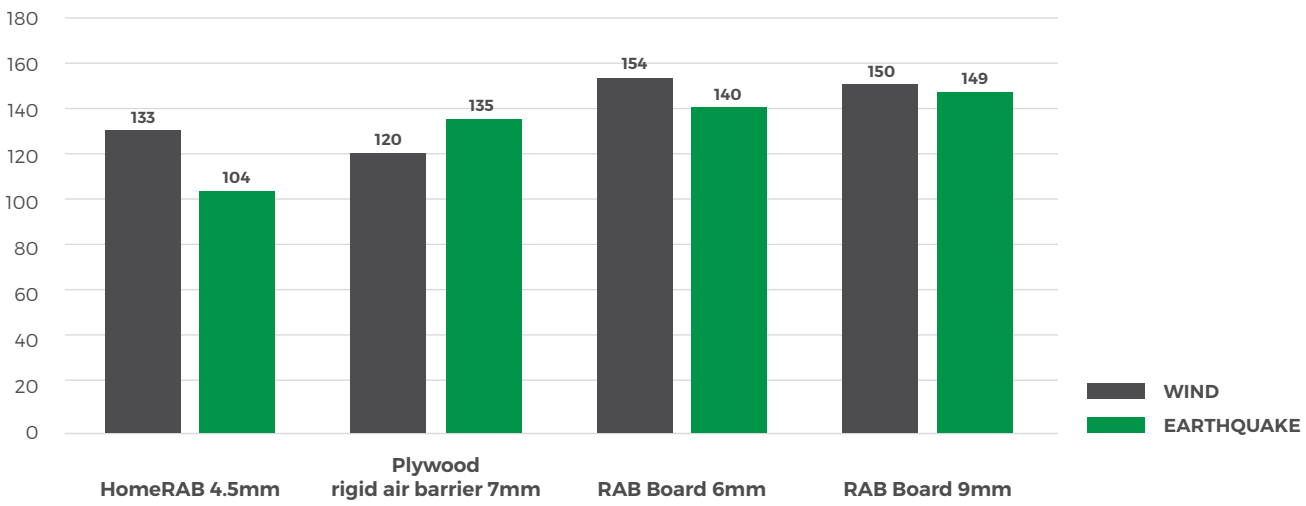
- Complies with B1, B2, E2 and C3.7 of the NZBC
- BRANZ Appraised
- Achieves 50 year durability
- Covered under a 15 year product warranty

RAB BOARD SHEET SIZES

Product Code	Length (mm)	Width (mm)	Thickness (mm)
402980	2450	1200	6
405131	2750	1200	6
402981	3000	1200	6
405132	2450	1200	9
404972	2750	1200	9
404971	3000	1200	9

Density of 1250kg/m^3

STRUCTURAL BRACING



Bracing units per metre (length 1200mm)

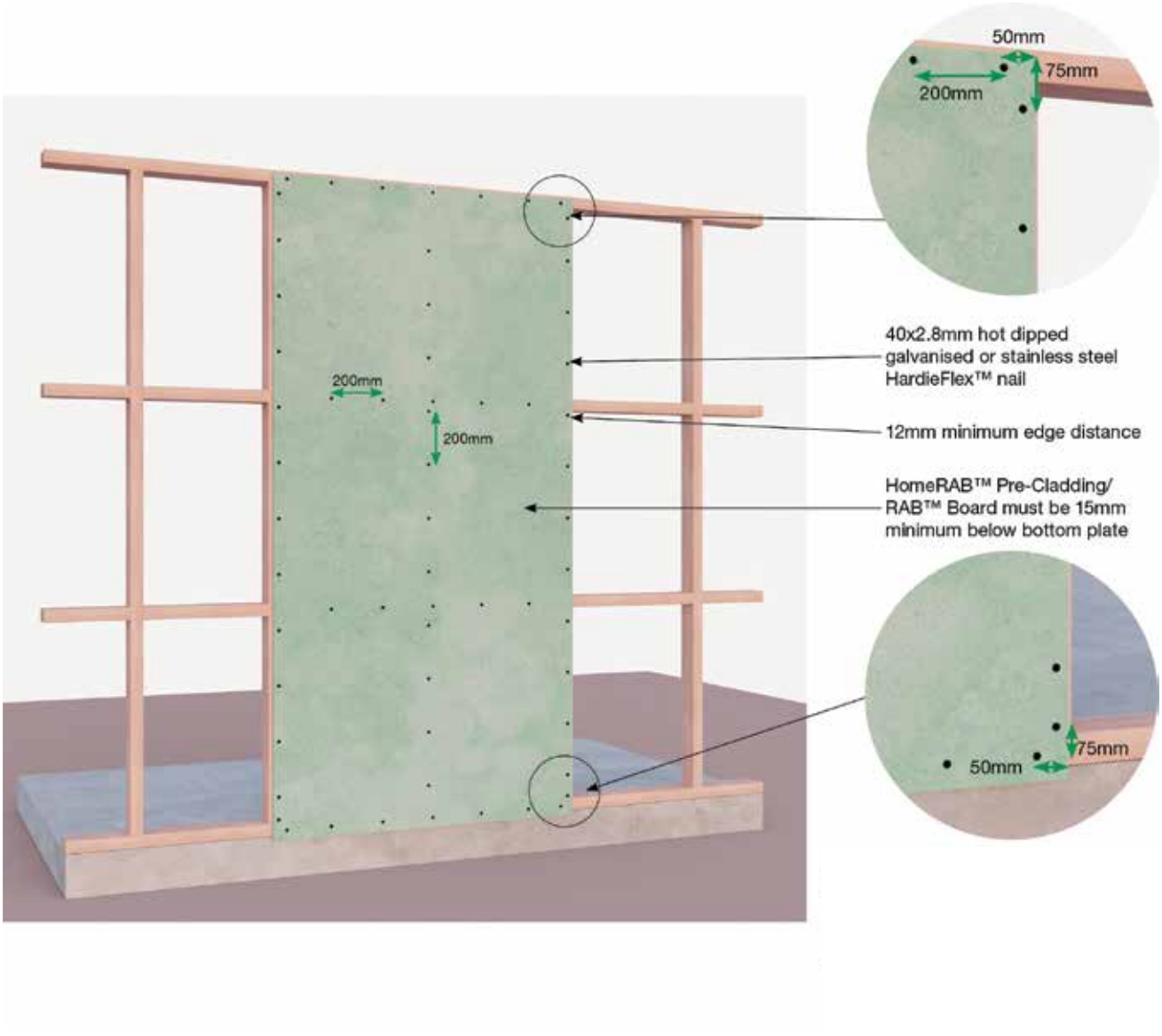
INTERACTIVE INSTALLATION DETAILS

We have re-designed our 2D technical details into practical building steps which can be used to assist builders through the installation process on-site. Find our Interactive Installation Details in our Library on our website **www.jameshardie.co.nz**

FIXINGS

GENERAL APPLICATION

- HomeRAB Pre-Cladding 4.5mm, RAB Board 6mm, RAB Board 9mm – can be gun nailed
- Fixings at 200mm centres

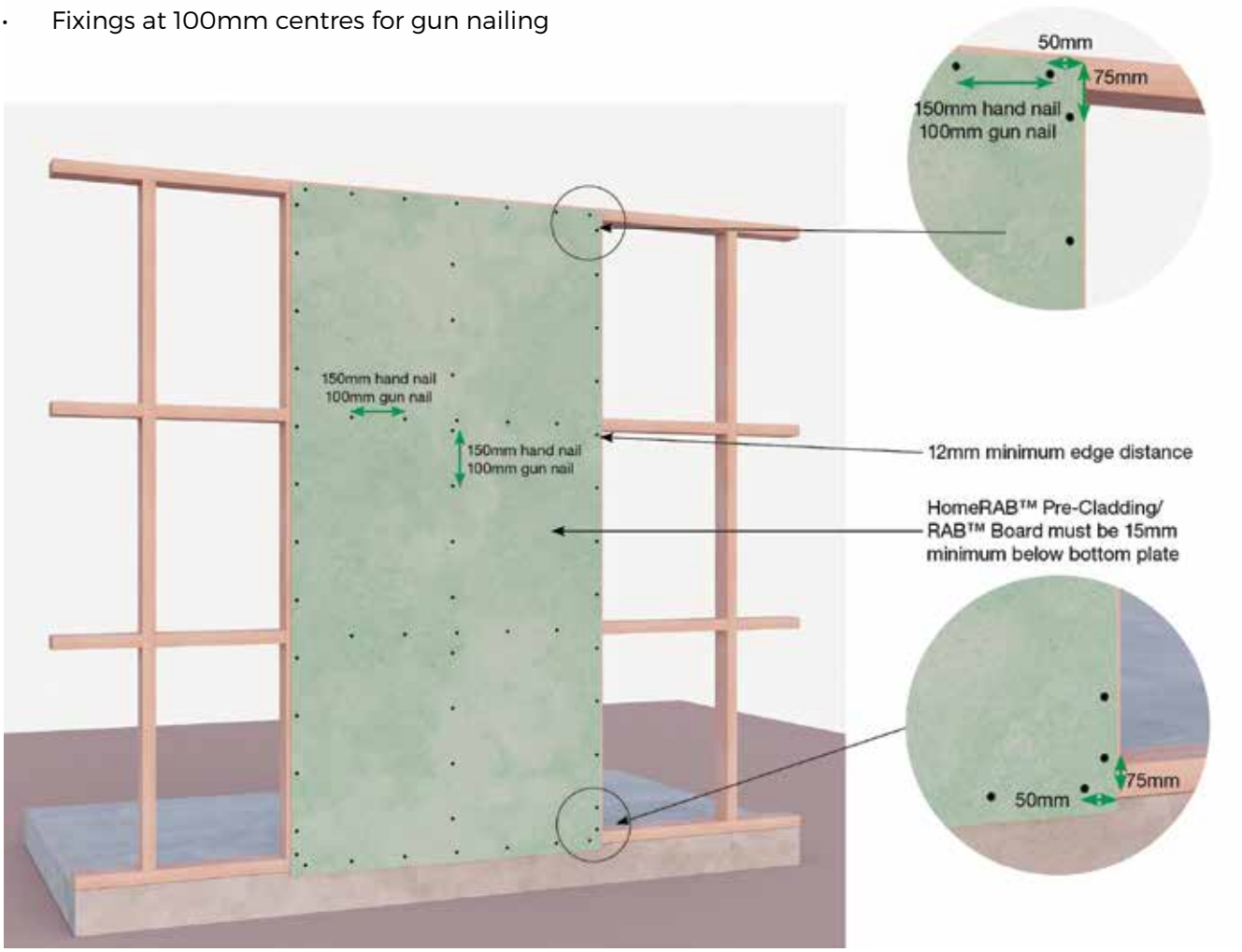


TOP PLATE FIXING – TIMBER

- HomeRAB Pre-Cladding 4.5mm, RAB Board 6mm, RAB Board 9mm – can be gun nailed
- Stud to top plate nails at 75mm centres for timber studs

BRACING APPLICATION

- HomeRAB Pre-Cladding 4.5mm, RAB Board 6mm, RAB Board 9mm - can be hand nailed
- Fixings at 150mm centres for hand nailing
- HomeRAB Pre-Cladding 4.5mm, RAB Board 6mm, RAB Board 9mm - can be gun nailed
- Fixings at 100mm centres for gun nailing



For further information on bracing refer to the James Hardie Bracing Design Manual or Ask James Hardie on 0800 808 868.

JamesHardie™

Call 0800 808 868 | jameshardie.co.nz