

— **RAB™ Board** and **HomeRAB™ Pre-Cladding**



PERFORMANCE THAT WORKS

WIND RESISTANT
Withstand high wind pressure up to 4.5kPa (ULS)

RESISTANT TO MOISTURE DAMAGE
Built-in water repellent barrier

FIRE RESISTANT
Non-combustible material



COMPLIANCE
BRANZ Appraised
CodeMark Certified
15 year product warranty



180 DAY EXPOSURE
Withstand up to 180 days exposure without warping or shrinking

STRUCTURAL BRACING
Superior bracing

FROM THE INSIDE OUT

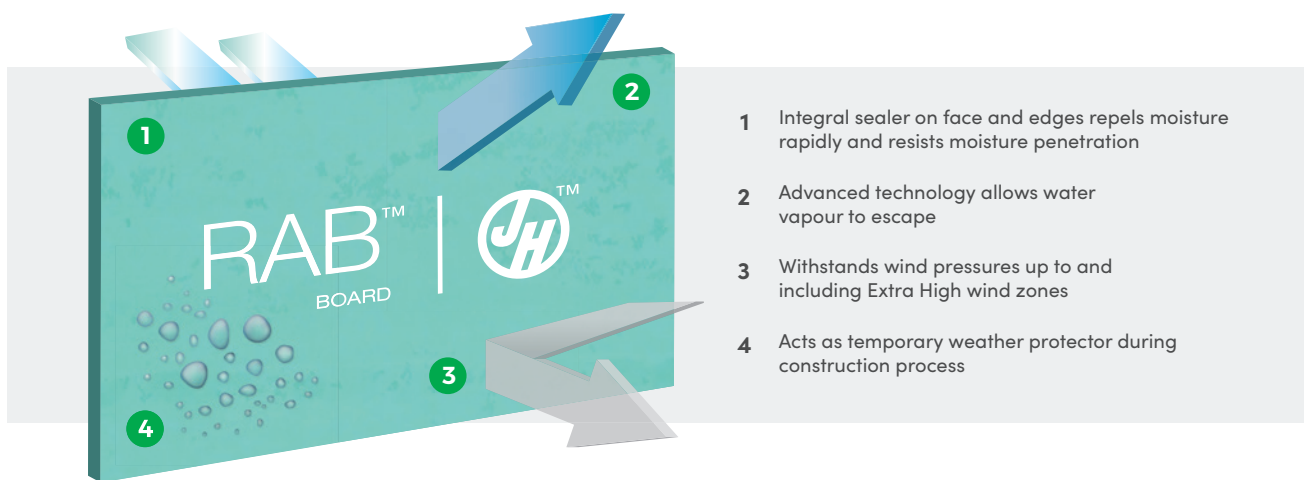
Create better performing buildings

LEADING THE WAY

For over 16 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?

Pre-Cladding products 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.



PRODUCT RANGE

- HomeRAB™ Pre-Cladding 4.5mm is a cost effective rigid wall underlay designed specifically for up to Very High wind zones for residential buildings
- RAB™ Board 6mm is designed for up to 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 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 up to 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 Hardie™ Knife, speeding up installation time



FIRE RESISTANT

- Fibre cement is suitable for use where non combustible materials are required.
- Resistant to fire, rot resistant and resistant to moisture damage

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 MOISTURE DAMAGE

- 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
- CodeMark Certified



HomeRAB™ PRE-CLADDING SHEET SIZES

Product Code	Length (mm)	Width (mm)	Thickness (mm)
404766	2450	1200	4.5
404768	2750	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 Fire and Acoustic Manual by James Hardie.

STRUCTURAL BRACING

- Suitable for use in up to 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 MOISTURE DAMAGE

- 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
- CodeMark Certified



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 when used in a system

STRUCTURAL BRACING

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



FIRE RESISTANT

- Fibre cement is suitable for use where non combustible material is required
- Up to 60 minutes fire resistance rating (FRR) can be achieved when installed as per the Fire and Acoustic Manual by James Hardie



RESISTANT TO MOISTURE DAMAGE

- 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
- CodeMark Certified



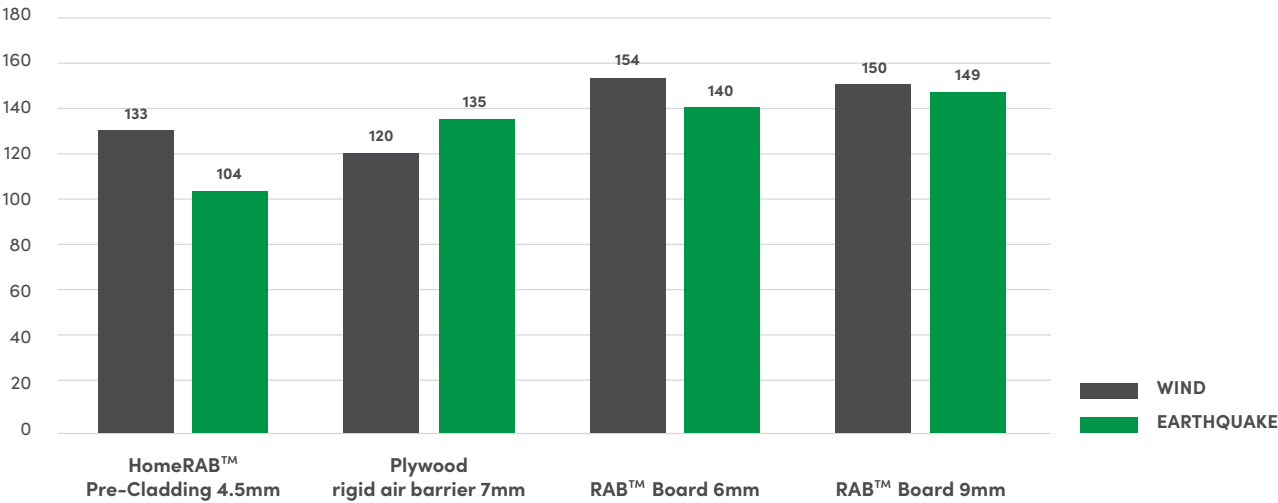


RAB™ BOARD SHEET SIZES

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/m³

STRUCTURAL BRACING



Bracing units per metre (length 1200mm)

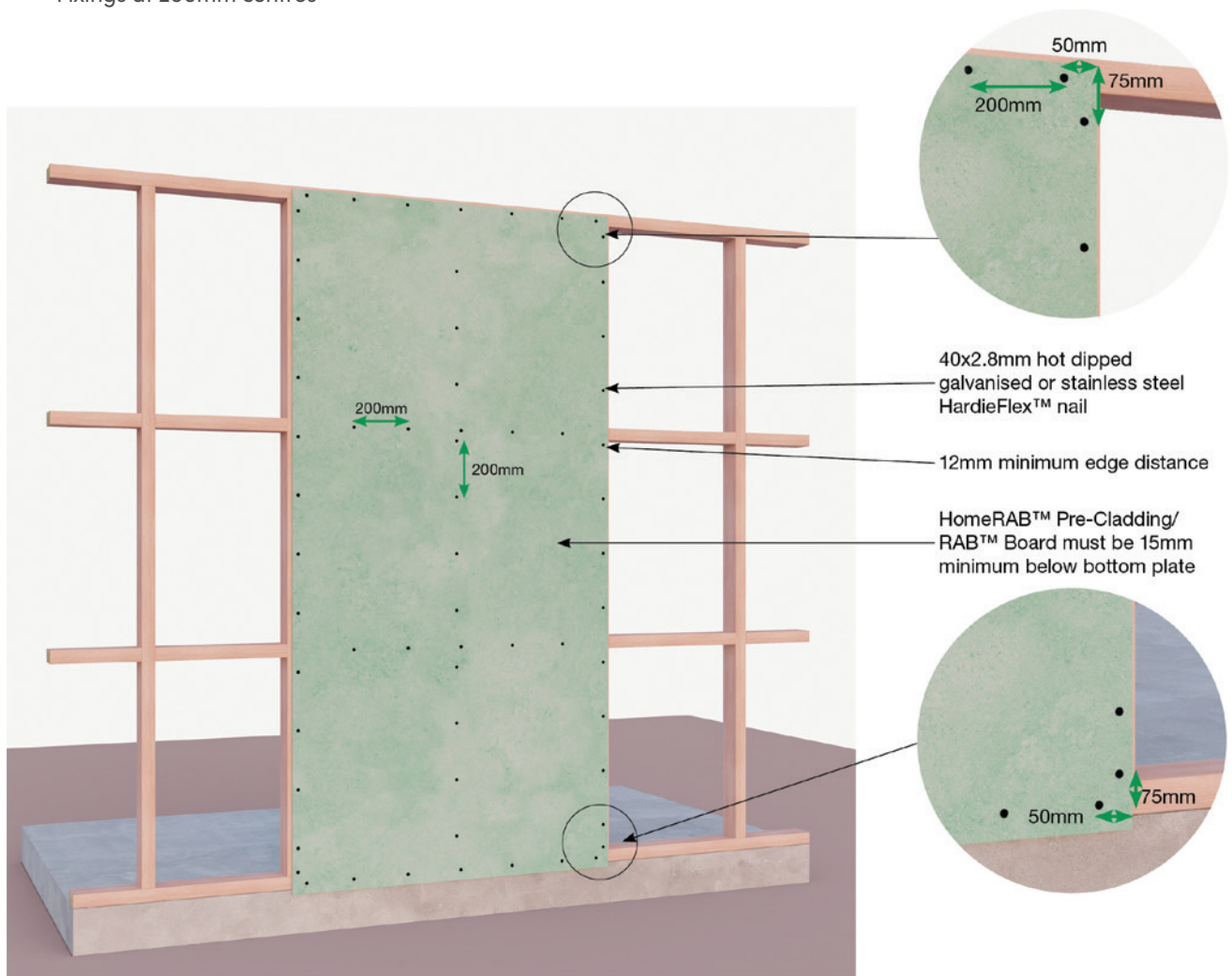
Interactive Installation Details

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 jameshardie.co.nz

Fixings

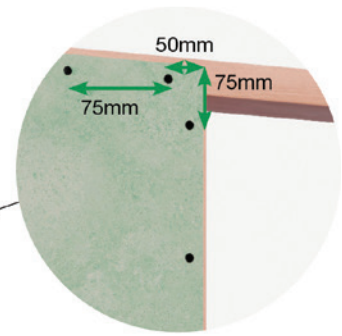
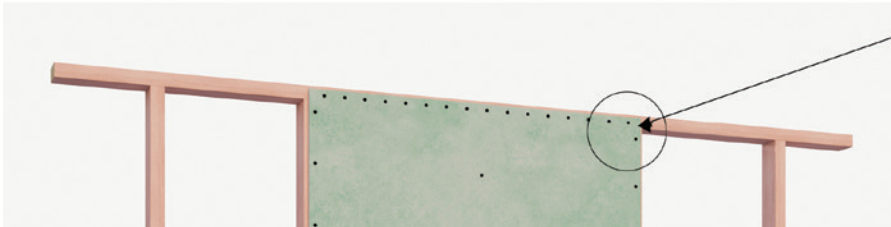
GENERAL APPLICATION

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



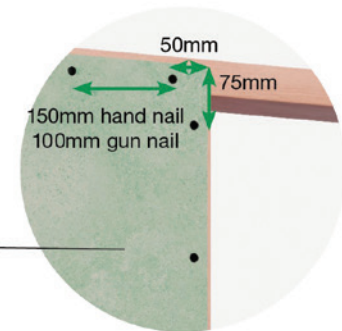
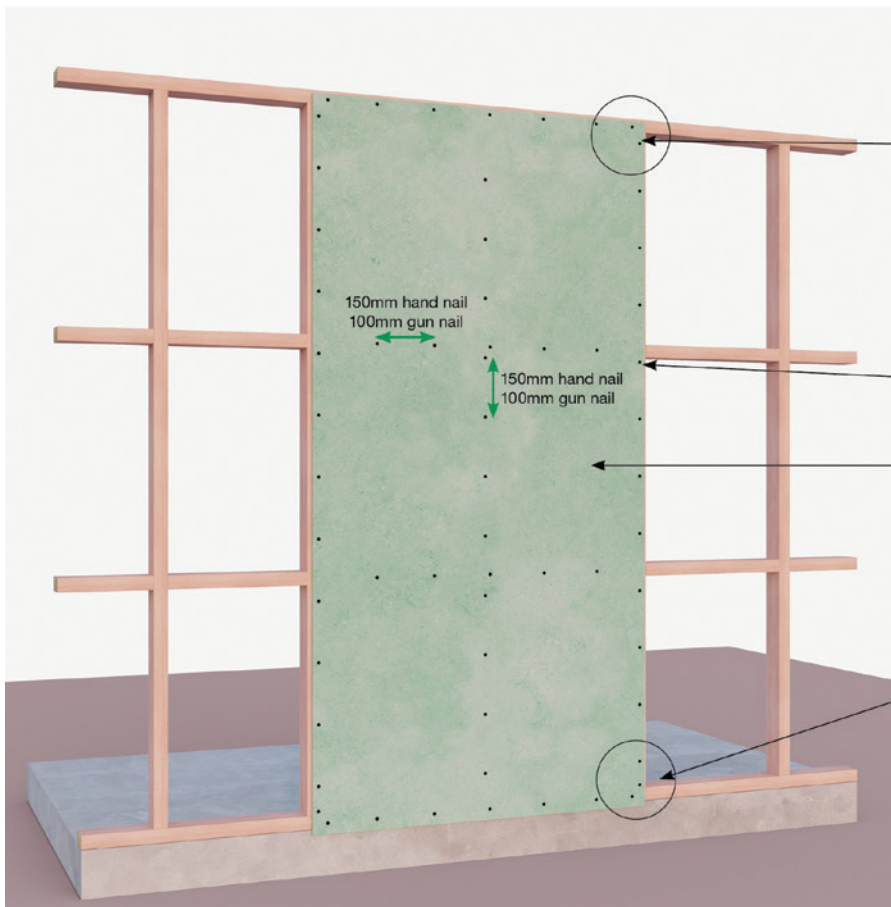
TOP PLATE FIXING – TIMBER

- 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



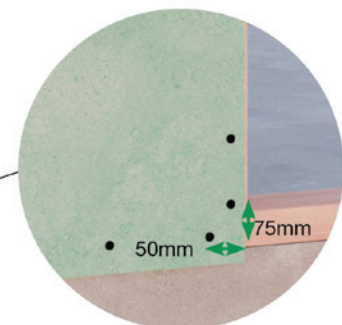
BRACING APPLICATION

- 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



12mm minimum edge distance

HomeRAB™ Pre-Cladding/
RAB™ Board must be 15mm
minimum below bottom plate





jameshardie.co.nz

For more information, warnings and warranties please see our website and review the relevant installation and technical guides. James Hardie Durability. When installed and maintained correctly in accordance with James Hardie's literature, current at the time of installation, James Hardie products are resistant to fire, rot resistant and resistant to moisture damage. ©2022 James Hardie New Zealand Limited 0800 808 868. ™ and © denotes a trademark and registered mark owned by James Hardie Technology Ltd.