HIGH PERFORMER BUILDING

CERTIFIED PRODUCTS
SEPTEMBER 2022

- Innovative Thinking
- Compounding Benefits
- Point Of Difference
- Buildings That Truly Perform

QUALITY TO THE BONE.

Standard construction is fine.
But we invite you to
think differently.

Welcome to High Performer Building.

High Performer Buildings are built with quality products that are designed to last – products that deliver the best results in their field without costing the earth.

For a product to be selected as a High Performer Product, it must help the building perform it's key objective – to protect it's inhabitants by keeping them warm, dry and safe for as long as possible.

HIGH PERFORMER BUILDING™
Certified Product

A Certified Product is a core element of a house structure and contributes to the critical performance of the building.

HIGH PERFORMER BUILDING™
Endorsed Product

An Endorsed Product is one which works alongside the Certified Products, is innovative in its thinking and adds yet another dimension to the High Performer Building.

What sets a High Performer Building apart?

High Performer Building is all about combined benefits that deliver better performance in key areas of the building.

A NEW STANDARD OF CONSTRUCTION

High Performer Building is about quality to the bone. Core material selections from the slab to the roof with benefits that combine to deliver a new standard of construction. Premium results without a premium price tag.

PUT SIMPLY, EVERY BUILDING HAS 15 KEY COMPONENTS:

1. Slab Foundation
2. Frame
3. Truss / Joists
4. Floor Substrate
5. Building wrap
6. Roof
7. Windows / Doors
8. Insulation
9. Cladding
10. Ventilation
11. Floor Finishings
12. Heating
13. Plumbing
14. Electrical
15. Kitchen / Bathroom

67% IMPACT

A High Performer Building covers 10/15 core areas of the building. Thats a 67%* impact on the total building. That means:

- Lower lifecycle carbon emmissions
- Lower running cost
- Improved indoor air quality
- Reduced waste in landfills
- Faster construction times
- Improved thermal performance

** based on 2-storey building with fibre cement or steel cladding*

DOES MY PROJECT QUALIFY?

Visit **www.highperformer.co.nz** to see if your project qualifies to be awarded the High Performer Building Certification.

All new homes look beautiful. But it's what you can't see that defines true quality.

STANDARD BUILDING
0% INNOVATION

1. Slab foundation – standard
2. Frame – standard
3. Truss / Joists - standard
4. Floor – ply or particle
5. Building wrap – standard
6. Steel Roofing – standard
7. Windows & Doors - standard
8. Insulation – fibreglass
9. Cladding – standard
10. Bathroom - extraction fan

HIGH PERFORMER BUILDING
67% INNOVATION

1. Allied Concrete Slab
2. J-Frame
3. Steelhaus EZYJOIST
4. Maglok Flooring
5. saveBOARD betterBRACE rigid air barrier
6. TRS Roofing
7. FMI Windows & Doors
8. Mammoth Insulation
9. Innovative Cladding options
10. Stiebel Eltron - balanced ventilation

Allied Concrete
High Performance Slab Systems

Quality concrete systems that are warmer, stronger and better for the environment.

Allied Concrete is highly awarded for its impeccable consistency of quality concrete.

When it comes to leading edge innovation, Allied Concrete's got you covered - from the addition of fly ash to reduce the CO2 footprint and improve the concrete's durability, through to fully insulated slabs and recycled plastic dome systems.

Regardless of the ground conditions, Allied have an innovative solution that can improve the performance of your concrete slab foundation.

Allied Concrete
make hard easy

WHAT WE LIKE BEST

READY Super Slab is a system for everyone who is wanting a high-performance slab that looks after the environment as well as your pocket.

HOW IT HELPS THE PLANET

- Multiple sustainable options, including using NZ recycled glass.
- 100% recycled plastic pod system eliminates polystyrene.
- Lower carbon emmissions.

WHAT OTHERS SAY

"After using READY Super Slab QPod I'm never going back to polysterene floors. They were easy to lay out, and there was very little waste created."

— Peter Chapman
Masterbuilt Whanganui

KEY POINTS

- Less likely to crack than a conventional slab.
- Fast and simple to install.
- Manufactured in NZ.
- Pods can be easily stacked on site saving on space and transport.
- The only NZ CodeMark Certified pod system.

J Frame
Engineered Timber

Straight, reliable and durable LVL framing timber for a stronger building.

J Frame is a laminated veneer lumber (LVL) engineered wood product – and it's about to make your next building project a whole lot smarter.

Engineered straight and strong, J Frame is resistant to warp, twist and bow – resulting in beautifully straight walls.

The A Bond is proven to withstand exposure to moisture and weather and/or long-term structural performance requirements.

The 100% usable lengths mean there is no waste at installation – better for the environment and your pocket!

j frame
engineered timber

WHAT WE LIKE BEST

Stronger and straighter. What else do you need from your frame?

HOW IT HELPS THE PLANET

- Environmentally sound.
- Made from 100% renewable Radiata Pine.
- Greater use of the tree.
- Manufactured in New Zealand.

WHAT OTHERS SAY

"One of the major benefits is the straightness and strength that's engineered into J Frame… in the house I'm currently building, I've only had to plane two studs in the whole house."

— Kieran Gleeson
K B Gleeson Building

"We have nearly zero wastage, because there's no timber that's bent or buckled. Most plants would have to factor in between 5-8% wastage. Ours is less than 1%. That makes a huge difference to your bottom line."

— Paul Robertson
Truss Tech, Cromwell

KEY POINTS

- Straight walls with less imperfections.
- Save time and money during your build.
- Environmentally sound; 100% usable lengths means no waste at installation.
- Stronger and more stable than traditional timber.

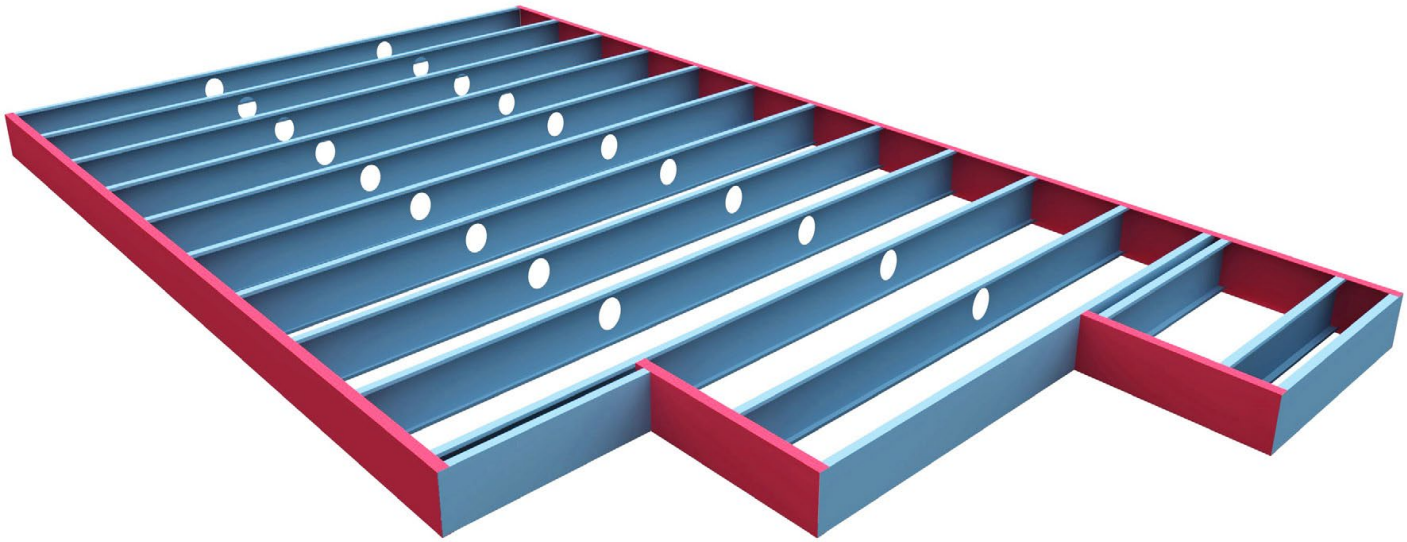
For J Frame technical and compliance information, please visit www.jnl.co.nz

Industry Certifications

CodeMark

BRANZ Appraised

Steelhaus EZYJOIST



With longer spans, lighter weight, and faster to install, EZYJOIST is a New Zealand manufactured, engineered floor joist for use in both residential and commercial construction.

Steelhaus makes durable floor systems without inherent moisture, squeaking, warping, growing or shrinking issues. It's hard to ignore the advantages of a steel joist sub-floor structure when Steelhaus makes it so simple.

Lightweight yet sturdy, straight and strong, Steelhaus EZYJOIST's come cut to length and ready to assemble. Customisable, pre-punched service penerations allow the thinking to be done up front to save time on site.

EZYJOIST can also be constructed as a cassette floor system allowing for optimised construction schedules. Easily integrated with other building materials such as timber or concrete, creativity is not restrained for the architect and builder.

Non-combustible and no chemical treatments, EZYJOIST are easy on the environment too. With steel being the most recycled material in the world, EZYJOIST have no end of life environmental cost. When you consider span capacity and ease of installation, EZYJOIST is the most cost effective floor joist system on the market.

STEELHAUS

WHAT WE LIKE BEST

Lightweight, quick and easy to install and can simply achieve long spans with PS1 provided

HOW IT HELPS THE PLANET

- Made from ironsand reducing intrusive mining practises.
- All byproducts and manufacturing wastage is recycled.
- Fully recyclable at end of life reducing lifecycle carbon.

WHAT OTHERS SAY

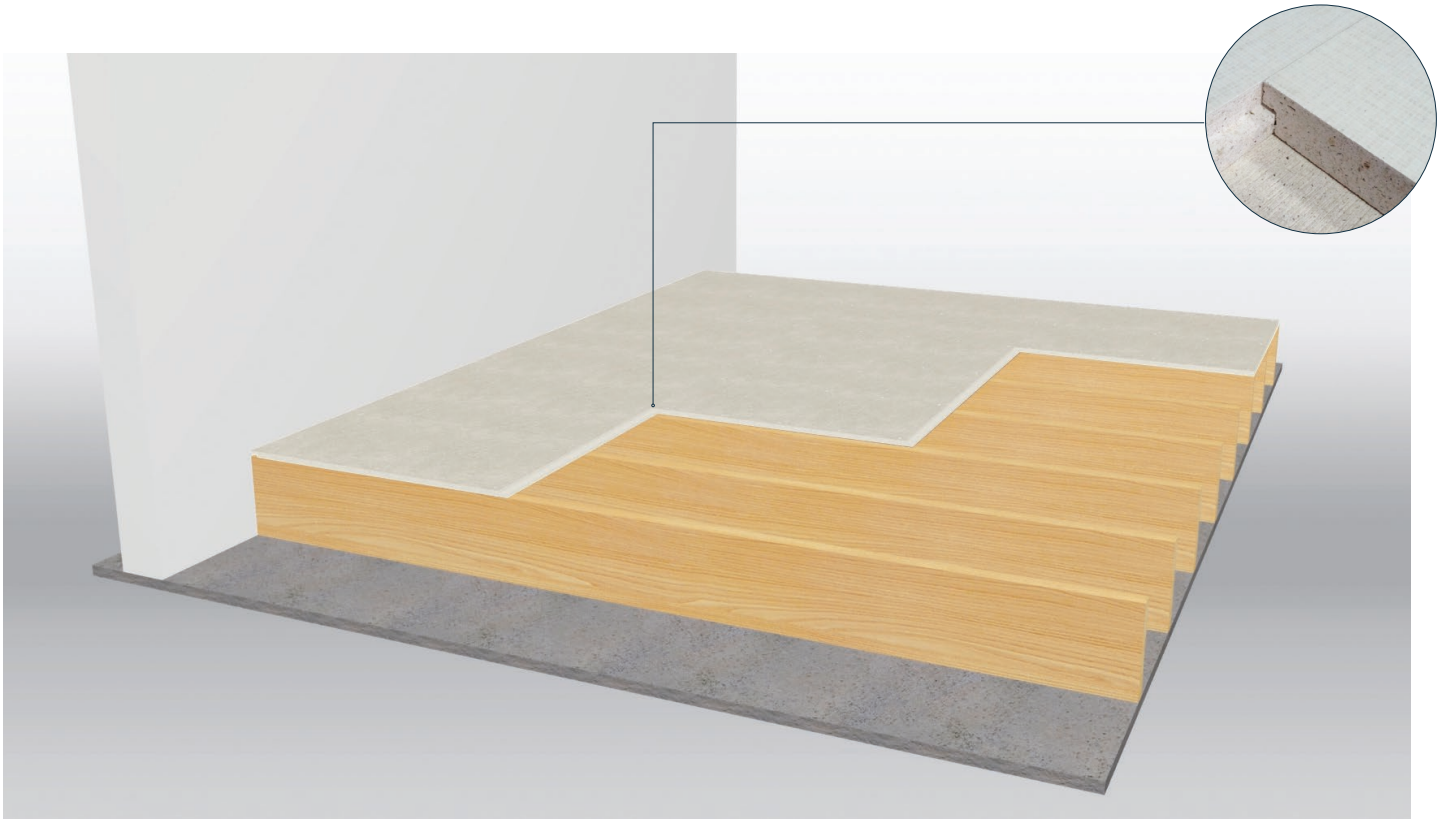
"The EzyJoist system was great to install. Everything comes the cut to length and is dimensionally correct. A lot easier to install than timber and doesn't require straightening and nogging."

— Luke Anderson, Anderson Consulting

KEY POINTS

- Spans of 7.25m at 1.5KPa and 6.1m at 5KPa floor loads.
- Supplied cut to length and ready to install, or as pre-fabricated casset floors.
- Easily connect to timber, concrete and steel wall structures.
- Mid span and bracing blocking details are simple and easy to install.
- Pre-Engineered Span Tables allow ease of specification at the design stage. PS1 provided with all floors for consent.

Maglok DragonBoard
Magnesium Sulfate Flooring Board



Latest technology for quiet, solid floors with fire and water resistance.

Maglok DragonBoard is made from environmentally-friendly, non-hazardous materials that are actually more cost effective and easier to install than its predecessors.

This product is the absolute best alternative to plywood, strand board, fibre cement board and particle board – a strong product that will never rot, feels and sounds solid underfoot and will not squeak.

Naturally water-resistant, it can be carried through all wet areas without the need for tile underlay or joist and nog spacings, saving time and money.

This innovative flooring board is also mould, insect and fire-proof and has excellent sound attenuation, while being very strong, with diaphragm bracing capacity. Maglok really is a 'one board does it all' solution. Competitively priced, Maglok provides an incredibly quiet and solid-feeling flooring board throughout your home.

MAGLOK™
DRAGONBOARD®

WHAT WE LIKE BEST

Feels and sounds solid to walk on. Water and fire resistant for added protection. Excellent across the whole floor with many advantages in the wet areas.

HOW IT HELPS THE PLANET

- Manufactured from mineral components and water, no oils or toxic components.
- Less energy consumed in manufacturing process - the entire process is carried out at room temperature.
- Magnesium Oxide can absorb up to 40% of carbon dioxide emmissions created during manufacturing.

WHAT OTHERS SAY

"Great solid finish that's fast and easy to install. A lot less stress not having to worry about the rain when it comes to timing the installation too. Feels firm under foot and gives the client a nice quiet floor."

— Mick Mclure
Precision Construction

KEY POINTS

- Flooring board resistant to water or moisture.
- Feels solid to walk on.
- No squeaky floors.
- Superior performance for wet areas. but cost-effective for all floors.
- High fire ratings.

saveBOARD
betterBRACE - Rigid Air Barrier

Low carbon building materials made from upcycled packaging.

saveBOARD betterBRACE is a semi-permeable, cost effective rigid air barrier made from upcycled composite packaging (such as milk cartons, ingredient bags, coffee cups and soft plastics).

betterBRACE has exceptional bracing capacity. This allows buildings to achieve NZ Building Code bracing requirements without the inclusion of internal lining bracing units.

Finished with external moisture resistant Fibreglass facing material; it is a green & low carbon alternative to traditional building underlays.

It allows builders to close in a building sooner to begin interior fit out, along with additional noise and insulation properties. The fit out can be started independently of the exterior rain screen minimising potential delays to the project.

Circular
BUILDING MATERIALS

WHAT WE LIKE BEST

Helping build stronger homes while saving the planet. What's not to love?

HOW IT HELPS THE PLANET

- Made from 99% recycled materials diverting tonnes of waste from landfills into a circular solution.
- Manufactured in New Zealand.
- During construction, the off cuts and waste saveBOARD products can be returned, shredded and reused.

WHAT OTHERS SAY

"If we can divert thousands of tonnes of waste going to landfill while giving our customers a stronger home, we're all in!"

— Wayne Mitchell, Studio 7

KEY POINTS

- Excellent wind & seismic bracing capacity.
- Impact resistant.
- High thermal resistance.
- Helps with noise attenuation.
- Mould resistant.
- Water repellant.
- Zero water, glues, chemicals added. VOC's and formaldehydes are <5% of the Green Building Standard.

The Roofing Store
Architectural Roofing and Cladding

Photo courtesy of David Reid Homes Auckland Central.

Highest international quality roofing and cladding systems for elegant, lasting results.

The Roofing Store (TRS) sources its steel from the highest quality steel manufacturer in the world. Using Iron Ore that has less impurities than Iron Sand, a more precise tensile strength and durability is achieved in every inch of product they manufacture.

TRS also utilise the highest quality coastal grade zinc coatings and PVDF paint systems (considered the absolute best in the world) across 95% of their range. Delivering highly durable surfaces with maximum colour retention.

With H&S requirements calling for full scaffolding when re-painting a 2 storey building, the value of paint-free claddings is now unprecedented.

The TRS systems are high performing and low maintenance for long term reliability.

The Roofing Store

WHAT WE LIKE BEST

Innovative roofing and cladding solutions that deliver premium results without the premium price tag.

HOW IT HELPS THE PLANET

- TRS have reduced carbon emissions from manufacturing by as much as 70% - without purchasing carbon credits.
- TRS use recycled steel scrap to reduce waste and consumption of natural resources.
- Electric furnaces reduce carbon dioxide emissions by 25% versus a standard blast furnace.

WHAT OTHERS SAY

"We are incredibly pleased with the job! House looks great, the team at Archtech were very professional and great to work with."

— Carlos Jenkins
Home Owner

KEY POINTS

- Innovative and customisable profiles.
- Made from Iron Ore (not Iron Sand) ensures less impurities.
- Consistent and accurate quality.
- Strong, durable and weather-tight.
- 100% recyclable.
- NZ owned and manufactured.
- Premium results at affordable costs.
- Virtually maintenance free.

Industry Certifications

FMI Building Innovation
Windows and Doors

World-class thermal performance made right here in New Zealand.

FMI have been manufacturing windows and doors in New Zealand since 1968. Their legacy of innovation continues to deliver trusted solutions that perform to global standards. Keeping affordability front and centre, FMI have developed a range of window suites that can exceed the proposed new H1 insulation requirements while delivering real value for money solutions.

It's long been known the window is the weakest link in the thermal envelope. Instead of relying on overcompensating everywhere else, FMI developed **thermally insulated** windows with R-Values that raise the bar.

With an approach that saw significant investment in understanding the entire building's performance, their research lead them to re-develop every aspect of the window, how it's assembled and installed, to become strong contributors to the building's thermal and structural performance.

fmi Building innovation.

WHAT WE LIKE BEST

FMI are serious about delivering leading performance that won't break the bank.

HOW IT HELPS THE PLANET

- 73% improvement in thermal efficiency lowers energy consumption.
- Less manufacturing waste and less packaging.
- Fully recyclable or repurposable components.

WHAT OTHERS SAY

"FMI Fairview windows and doors are our preferred choice, as we demand innovation, quality and service to ensure our clients always have the latest technology and performance. The next generation of thermally insulated systems is an example of their commitment.

—Mick Mclure
Precision Construction

KEY POINTS

- Completely re-developed joinery.
- Leading thermal performance.
- Insulated thermal break.
- Double, triple and quadruple glazing options.
- Cost-effective, high performance.
- Reinforced, leak-free mitre joints.
- Smart installation solutions.
- Customisable internal trim finishes.
- Durable, proven aluminium frames.
- Strengthened uprights can reduce framing volumes.

Mammoth
Modern Insulation

Friction fit, polyester insulation designed to maintain outstanding performance.

Mammoth™ Modern Insulation is a new generation of polyester insulation which helps create warmer, drier, healthier buildings.

Manufactured in New Zealand from 100% polyester, including the fibres from recycled plastic bottles, Mammoth insulation is non-toxic and non-irritant. Mammoth airlay insulation segments have a natural spring-back aspect, meaning it can be installed under-floor without the need for staples or strapping, and in walls without gaps, tucks or creases.

The effectiveness of the friction fit means a more energy efficient building - costing less to heat and cool. Independent testing of wall systems including Mammoth airlay insulation have outperformed the construction (system) R-values in the BRANZ House Insulation Guide.

Made to last, correctly-installed Mammoth insulation will perform for at least 50 years, giving you the confidence of an energy efficient and healthy home for years to come.

Mammoth™
MODERN INSULATION

WHAT WE LIKE BEST

Easy to install correctly so it actually performs like they say it does.

Even in 50 years it'll still work like the day it was installed.

HOW IT HELPS THE PLANET

- Fully recyclable.
- Manufactured in New Zealand.
- Made from polyester including the fibres from recycled plastic bottles.

WHAT OTHERS SAY

"To realise its true performance, wall insulation should maintain its nominal thickness when installed, be self-supporting (without mechanical fixings), and be friction fitted. Gaps around the edge of wall insulation can reduce its effective R value by approximately 3% for every 1mm gap."

— BRANZ House Insulation Guide

KEY POINTS

- Simple to install without gaps or reduction of thickness.
- Superior thermal performance.
- Absorbs no moisture.
- Backed by a 50-year Manufacturer's warranty.
- 100% polyester, free of glues, binders, formaldehyde and pesticides.

*The calculations for the number of bottles per 100sqm are based on 500ml PET bottles (16.2g).

Industry Certifications

BGC
Premium Fibre Cement

Premium fibre cement that delivers exceptional quality and saves time and money.

BGC's high quality fibre cement is a well-trusted, household Australian brand now available in New Zealand, offering the smoothest fibre cement finish throughout the entire range.

With a wide selection of interior and exterior products available, including soffit, cladding, wall lining and flooring, BGC offers the widest range of BRANZ Appraised Fibre Cement products in New Zealand.

Their technical experts have the design and specification skills to infuse even your most challenging project with an exciting new zest.

And now, BGC bring **Montage** extruded, pre-finished, fibre cement facade systems (see bottom image on next page).

BGC Fibre Cement

WHAT WE LIKE BEST

A solid product that provides competition in the New Zealand market, giving Kiwis a choice for fibre cement.

HOW IT HELPS THE PLANET

- Highly durable, extending the life of the building.
- Montage's self-cleaning function lowers lifecycle carbon footprint.

WHAT OTHERS SAY

"The guys love putting it up as is it's consistently dimensionally accurate. The painters love painting it and the clients love the smooth durable finish. To top it off, the team at BGC know their stuff and are easy to deal with."

— Brent Tapp
Urban Homes Ltd

KEY POINTS

- High quality fibre cement with an unsurpassed smooth finish.
- Innovative detail and finishing options.
- Simple to install and very cost effective.
- Exceptional track record for quality.
- High fire ratings.
- Montage is pre-formed and pre-finished using a multiple coat finishing system.
- Montage panels are fully sealed, weather resistant and won't rot or burn.

Stiebel Eltron
Balanced Mechanical Ventilation

German engineered ventilation systems with exceptional heat recovery rates.

Stiebel Eltron are one of the leading manufacturers of hot water, heating and renewable energy in the world. Being based in a country where mechanical ventilation is seen as a bare minimum not a luxury for the elite, Stiebel Eltron have developed multiple balanced mechanical ventilation solutions with excellent heat recovery efficiencies.

It's time New Zealand Designers and Builders started seeing mechanical ventilation as a core component of the building's performance and not just leaving it to the client as an add on down the track.

The great news is; Stiebel Eltron have directly entered the NZ market to provide world leading solutions without the additional margin of a local agent. As well as centralised and de-centralised ventilation, they also provide energy efficient hot water and heating and cooling systems.

STIEBEL ELTRON

WHAT WE LIKE BEST

Multiple solutions to deliver fresh air cost efficiently.

HOW IT HELPS THE PLANET

- Stiebel Eltron is exceptionally energy efficient - reducing heat loss by up 94%.
- All products are powered by electricity, helping to preserve natural resources.

WHAT OTHERS SAY

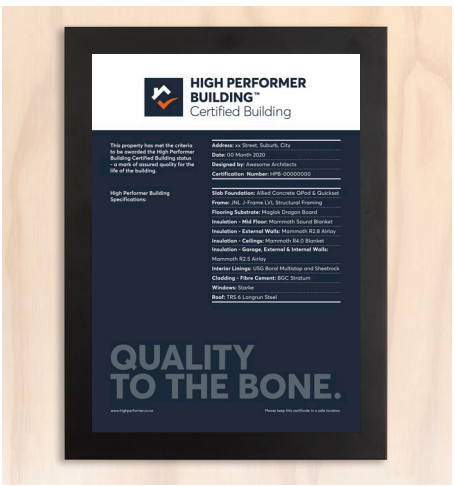
"We have been working with the team at Stiebel Eltron for our Heating, Heat Recovery Ventilation, and Domestic Hot water need for our projects. As a team they are great to deal with, have excellent technical knowledge, and are able to deliver real thermally efficient solutions.
Stiebel Eltron assist us with system design and back that up with excellent after sales service."

— Rafe Maclean
Rafe Maclean Architects, Wanaka

KEY POINTS

- Centralised & de-centralised options.
- 90% heat recovery.
- Removes internal moisture.
- Dry air takes less energy to heat.
- Significantly improves the air quality.
- Energy efficient.
- Quiet operation.
- Not reliant on occupant input.
- Smart connectivity available.

Will your home be a High Performer Building?



Homes built to the High Performer Building standard are stamped with the mark of quality on the home, maintaining value for the life of the building.

FIND OUT MORE ONLINE:

Visit **www.highperformer.co.nz** to learn more about the minimum criteria and approval process.

Marketing packages are available to approved projects and developments.

VISIT OUR SHOWROOM:

We welcome you to visit the High Performer Building Auckland showroom and see the products for yourself.

To arrange a viewing*, contact us at:

+64 9 373 4744
hello@highperformer.co.nz

or book online at:

www.highperformer.co.nz/showroom-bookings

*viewings by appointment only.

Ready to give your build the tick?

hello@highperformer.co.nz
www.highperformer.co.nz

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