



Triboard™ Panel Construction System. Photo courtesy of Awaroa Lodge – designed by Athfield Architects.





## A winning combination . . . flexibility and strength

Triboard's™ innovative combination of smooth surface with inner strength makes it the ideal solution for a wide range of internal building applications. Not only is its surface incredibly resilient, but it also delivers greater stiffness for the same weight when compared to other wood based boards. Available in a variety of sheet sizes, thicknesses and densities, Triboard can also be custom produced to suit your needs.



## Complete satisfaction

The smooth medium density fibreboard surface offers a grade 5+ paint finish capability, providing a superior finish to that of conventional wall linings. It's also suitable for wallpaper, so you're free to decorate it whichever way you choose. The assurance of superior screw holding ability over other commonly used wall linings means screws will not loosen over time, giving a lasting permanence to your decorative finish.



## Absolute performance

Triboard passes the most stringent building standards. It has the superior inner strength and stability of Strandboard™, with the smooth surface of medium density fibreboard. This is assured with strict quality control throughout its manufacturing process, but particularly at raw material stage. Triboard's uniform strength throughout its core gives it excellent load bearing capabilities. These unique features enable Triboard to be used for fire door systems and inter-tenancy fire-rated walling systems.



## Cost effective solutions

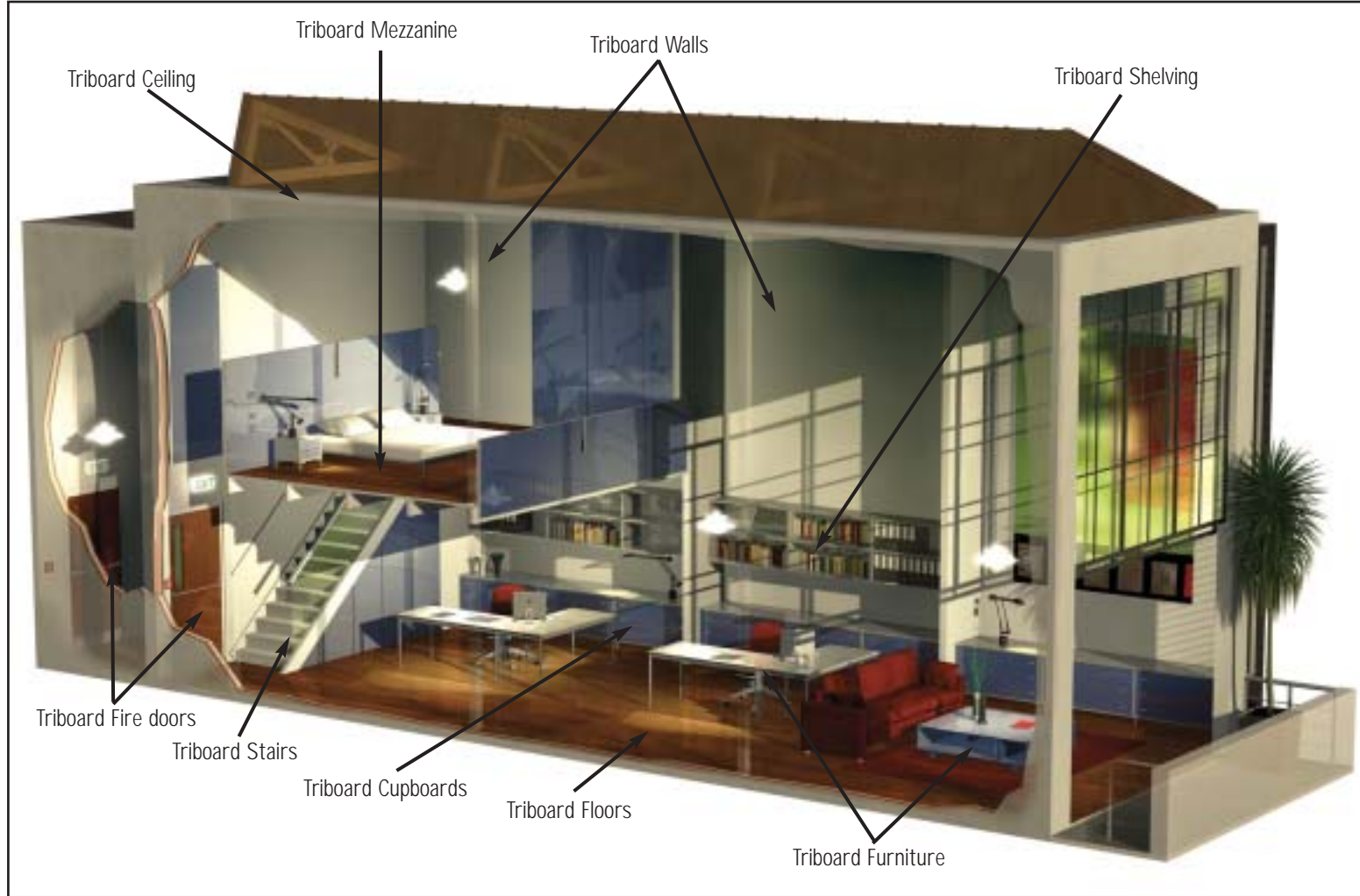
The use of Triboard across a range of internal building applications and the availability of a range of sheet sizes, effectively speed up the construction process, saving both time and material costs. It eliminates sub-framing and in fabricated systems further savings can be made as doors can be cut from the wall panel. When Triboard is used for internal walls, the reduction in thickness compared to traditional wall construction can provide you with up to 6% more useable space in an average size three-bedroom house.



## What others have to say . . .

Warren Hoy, General Manager, Awaroa Lodge, Abel Tasman National Park.  
"We pride ourselves on the immaculate presentation of our accommodation. Triboard was selected for the internal walls of our Deluxe Studio suites and I'm extremely impressed with the resulting durability and high quality, smooth surfaces."

Bill Taylor, Ahead Buildings, Auckland.  
"Triboard's structural qualities and great finish means it is ideal for our work constructing school halls, gyms and classrooms. It is robust and hardwearing, so our clients are delighted how well it retains its good looks. Using Triboard allows us more design freedom when creating different shapes."



## As a structural material, Triboard™ can be used for:

- Internal domestic, industrial and commercial walls and ceilings.
- Floors including sprung sports, access floors, mezzanine, warehouse/factory and theatre or cinema floors.
- Solid-core doors.
- Partition systems.
- Domestic, industrial and commercial shelving.
- Bracing panels.
- Shop fittings, substrate for veneers and laminates, furniture components, school and commercial furniture.
- Fire door systems that significantly simplify the manufacturing process.
- Inter-tenancy Fire Rated and Acoustic Walling Systems.

Triboard's superior strength and resilience is ideal for staircase manufacture, especially for heavy traffic in industrial and warehouse environments.



Office fitouts are simplified with Triboard as it is used for partitioning and walls, as well as fire doors.



Triboard panel construction provides more useable space and smoother interior finishes for contemporary, quality housing.



# Technical Information

## Sheet Sizes:

Length (mm)	Width (mm)	Thickness (mm)	Nominal Density kg/m <sup>3</sup>	Additive
4000	2450	15.0	800	
4000	2450	18.0	615	
4000	2450	18.0	615	TTT *
4000	2450	30.0	615	
4000	2450	32.0	680	
4000	2450	36.0	560	
4000	2450	36.0	560	TTT*
4000	2450	38.0	670	
4050	2505	41.0	665	
4050	2505	45.0	680	
4050	2505	50.0	555	
4050	2505	55.0	650	

- \*TTT Termite Treated Triboard is Triboard treated with Permethrin and is designed for use in Australian regions south of the Tropic of Capricorn.
- Other sheet sizes are available, please contact Juken Nissho Ltd (JNL) for details.

## Triboard Construction Manuals

Triboard Construction Manuals are available for both New Zealand and Australia. Both manuals are also available on our website [www.triboard.com](http://www.triboard.com) or by contacting JNL.

## Fire and Sound Ratings

Triboard can be used for 30 and 60 minute fire walls with acoustic ratings of up to STC 57 for inter-tenancy walls. A 90 minute non-load bearing fire rated solution is also available. Please contact JNL for details.

Fire doors is a specialty application for Triboard in 15/30/60 minute fire doors. JNL can provide contact details of fire door manufacturers using Triboard.

## Durability

An opinion on the durability of Triboard was completed by BRANZ in 1993. Further durability testing was also undertaken by BRANZ on Triboard in 2002. Copies of these reports are available from JNL on request.

## Appraisal

The New Zealand Triboard Construction Manual 2000 was appraised by RF Gale and Associates Ltd, Consulting Engineers (NZ Appraisal Reference No 93 031), November 2000.

BRANZ Appraisal Certificate No 03/026 relating to the Australian Triboard Construction System for single storey and two storey-detached housing was issued 28 February 2003.

## Triboard™ Handling and Storage

Triboard is an interior product and must be kept dry. The following instructions will assist in the care and use of Triboard:

- Prior to cutting, the Triboard sheets must be conditioned to ensure the sheets reach their moisture equilibrium before use. This can be done by putting the sheets into fillet to allow air circulation around both sides of the sheets for a minimum of 24 hours.
- Avoid damage to the Triboard sheet face and edges and keep the panels clean to avoid stains.
- Always stack Triboard horizontally, supported by gluts at 1200mm maximum centres, laid on a flat, level and dry surface.
- Triboard must be protected from direct sunlight whilst in storage or re-manufacturing process.
- For short-term storage on site, protect Triboard from direct weather exposure with tarpaulins or similar.
- To prevent moisture build up under covers ensure there is proper air circulation around the pack.
- Prior to painting or priming Triboard panels, all dust should be removed from the surface of the board.



## Triboard Safe Work Practices

Health and safety precautions must be taken when working with heavy and large products such as Triboard. Appropriate manual lifting and handling techniques must be developed in accordance with guidelines from OSH (New Zealand) NOHSC (Australia) and Workplace Australia.

Refer to the Material Safety Data Sheet available either by contacting JNL or our website [www.jnl.co.nz](http://www.jnl.co.nz) and [www.triboard.com](http://www.triboard.com). Reference can also be made to Working Safely with Wood Panel Products published by the Department of Labour, Occupational Safety and Health, or Home Health Facts About Formaldehyde in Wood Composite Products published by the New Zealand Ministry of Health and BRANZ, available from JNL.



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 Pinehill School – Ahead Buildings Ltd  
 BNT Ltd – Capital Racking Systems Ltd  
 Motueka House – Trizone Industries Ltd

## Other JNL products include Strandboard and Spaceboard



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### Contact details: