



WHEN YOU DEMAND WET AND IMPACT AREA LININGS THAT PERFORM

SPECIFY VILLABOARD® LINING

When it comes to creating a customer's dream bathroom or designing corridors for a school, a durable wall lining that's resistant to damage from moisture and impact provides much more than a good starting point: it's the best protection for your professional reputation and saves you from being called back to complete expensive warranty repairs.

That's why many leading New Zealand specifiers and builders are using **Villaboard Lining** for wet and impact area walls. And there's a good reason for this: Villaboard Lining is simply a superior product when it comes to durability, impact resistance and moisture performance.

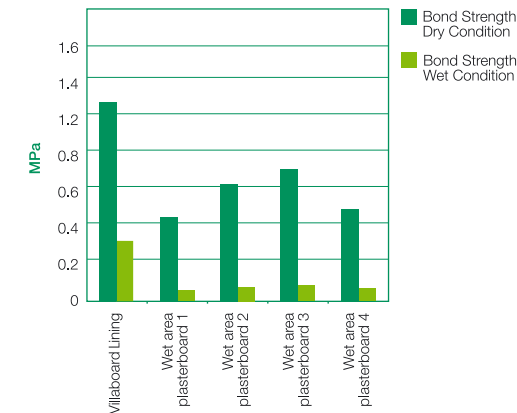
VILLABOARD LINING INSTALLATION

Villaboard Lining can be installed as quickly as any other lining with the right tools - which means you don't have to sacrifice durability for cost. Get James Hardie involved in your next project and we will show you how and train the contractors on the best practice method of installation. For more information, Ask James Hardie on 0800 808 868.

TILE ADHESION

A series of tests compared the bond strength between various substrates and tiles in both dry and wet conditions. The tests were conducted at James Hardie's NATA registered laboratory using a tensile bond strength test which induced a separation load between the substrate and tile until failure. The results show that Villaboard Lining's performance is far superior to that of wet area plasterboard alternatives in terms of tile adhesion in both dry and wet conditions, as shown in the graph.*

*The tensile bond strength requirement for ceramic tile adhesives is 0.15MPa. Villaboard Lining was the only lining tested that met this condition when saturated. This requirement is specified by AS2358 - 'Adhesives - For fixing ceramic tiles'.



TECHNICAL INFORMATION

Villaboard Lining from James Hardie is available in a range of sizes with square edge or recessed edge options. For technical and installation information go to www.jameshardie.co.nz.



Ask James Hardie™

Call 0800 808 868

www.jameshardie.co.nz

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VILLABOARD LINING COMMERCIAL

“ The only option for us was Villaboard Lining and if for some reason the applied waterproof vinyl finish was damaged the Villaboard Lining would not be affected by water. ”

Greg Mclean
Di Carlo Potts Health Architect
for the Waitakere Hospital

There are many factors to consider when choosing the most appropriate wall linings for commercial buildings such as apartments, hospitals and schools.

Areas where Villaboard Lining is recommended include:

IMPACT AREAS

- High traffic areas such as corridors
- Sports areas such as school gyms and changing rooms

WET AREAS

- Bathrooms, toilets
- Wash up areas

INTER-TENANCY WALLS

- STC values over 55 and fire resistance ratings of up to 90 minutes can be achieved

BRACING WALLS

- Structural bracing meets the requirements of the NZS 3604:1990 even in wet areas as narrow as 600mm

CURVED WALLS

- Up to 1200mm radii with 150mm stud centres

HEAVY TILED AREAS

- Can take up to 18mm thick tiles with 9mm Villaboard Lining and 450mm stud centres

HOSPITALS

The recently refurbished Waitakere Hospital chose Villaboard Lining in all wet and impact areas. The client Peter Jaine from the Waitemata Health Board together with Bryce Solomon from the Carson Group and George Kubicki from Kalmar Projects Limited conducted their own trials to determine the most superior lining for the impact areas. Bryce Solomon commented “While each of the three products trialled; Gib ToughLine, Gib ToughRock and James Hardie Villaboard Lining; provided good impact resistance, the Villaboard Lining gave superior abrasion resistance when the corner of a square object was scuffed along it. It was for this benefit that it was used extensively in all high traffic areas”.



SCHOOLS

Schools are subjected to extra wear and tear than most commercial buildings and the wall linings are one of the first places to show the signs. It is important that linings are installed that will save money in the long term and greatly enhance the use, enjoyment and life of the property. 9mm Villaboard Lining is recommended for all high traffic areas including corridors, changing rooms and even the drama room!

Pictured is a changing room at Manurewa High School where Villaboard Lining was specified by Waitakere Architects.



AWARD WINNING BATHROOMS

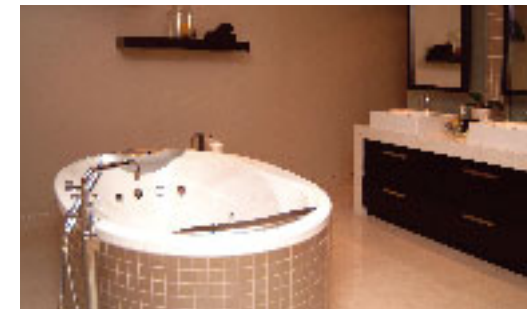
“ We chose Villaboard Lining as a substrate due to our past experience with the performance of Villaboard Lining, knowing confidently that this was the best product for our clients. ”

Mike Flooks
MF Design Ltd
Winner of Auckland Architectural Designers NZ
“Most Innovative Design Using James Hardie Product”
Award 2005



“ I use Villaboard Lining behind all my tiled areas, because it’s stronger and is a better backing surface for tiles. At the end of the day if you had to remove a tile for any reason you don’t have to go right back to the stud and remove a whole sheet of lining. ”

Daryl Hewitt
DJ Hewitt Builders Ltd
Winner of the Master Builders House of the Year Mico
Bathrooms Lifestyle Award



VILLABOARD LINING RESIDENTIAL

“ Villaboard Lining is a quality material that has never let us down and complements our best practice quality standards. ”

Brian Donald
Sovereign Homes



Leaks can destroy some wet area linings. In comparison, Villaboard Lining will continue to perform even in the event that the material gets wet (as a result of building movement, material deterioration, cracking, poor installation etc).

Villaboard Lining should be used as a full wrap in bathrooms, laundries and kitchens. It is not only the best lining for behind tiles, but also painted and wallpapered walls, to protect against potential water damage.

Some areas around the home require more protection than others from potential impact damage, such as children playing. Hallways, garages and rumpus rooms require the durability of Villaboard Lining to ensure that those unsightly holes and repair jobs are a thing of the past.