



Panelwall - Green Solutions

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Panelwall's philosophy is to produce quality products with the highest Green Credentials. All of our products are designed as modular solutions to maximise flexibility while utilizing the most cost effective and environmentally sustainable materials to suit each of our product lines.

We have invested significantly in product research and development, and implemented quality systems including ISO 14001:2004, FSC Chain of Custody and AFS Chain of Custody to ensure the highest levels of environmental controls.

We now offer a wide range of quality fully demountable and modular commercial partitions, linings, storage and furniture solutions. These include:-

- Solid Wall Partitions;
- Free Standing Pavilion Offices;
- Wideline Glazed Partitions (100mm);
- Double Glazed Partitions (100mm);
- Narrow line Glazed Partitions (45mm);
- Slim line Glazed Partitions (25mm);
- Solid, Aluminium Framed and Frameless
 - Doors (sliding and swing);
- Modular Storage Systems and Shelving;
- Modular Commercial Joinery and
- Financial Trading Desks and Workstations.

Our demountable solid wall partitions have been designed from the ground up as an environmentally sustainable replacement for drywall partitions and linings.

Where possible, our components are manufactured using either entirely recycled materials or materials with a high level of recycled content. Our baseline system which uses prefinished particleboard panels, incorporates over 85% (by mass), pre and post consumer recycled materials. Every component's raw material has been selected on the basis that it has a viable recycling process.

Through our manufacturing we ensure wastage is minimised. Surplus materials are either re-stocked for future use or separated for recycling. On site, Panelwall's pre fabricated modular design provides for a clean, fast and dust free installation. Each project is individually designed and manufactured to your specific requirements, thus ensuring that only those component actually required are delivered to site.

On a recent project, the waste generated attributable to the installation of our demountable partitions was calculated as negligible (<.05% by mass). This compared with plasterboard (>13% by mass) dramatically reduces the impact of fitouts on landfill.



Greenstar Credentials

Panelwall has been certified and reviewed by accredited professionals for compliance with the Green Building Council of Australia – Greenstar rating achieving the highest level of product points toward your overall project rating.

Based on Green Building Council of Australia current Office Interiors V1.1 rating tool, Panelwall achieves the maximum 3 points for Mat-3 Partitions and Linings. Panelwall can further assist in achieving a further 20 points were whole of project compliance is required. When it comes Greenstar Panelwall ticks all the boxes.

Mat - 3

Category	Title	Response	Tick of Approval
Resources Utilization	Eco Preferred Content	>80%	<input checked="" type="checkbox"/>
Resources Utilization	Durability	10 Years	<input checked="" type="checkbox"/>
Management	EMS 14001 Certified	Yes	<input checked="" type="checkbox"/>
Management	Waste Minimisation	Yes	<input checked="" type="checkbox"/>
Management	Energy	Yes	<input checked="" type="checkbox"/>
Management	Emissions	Yes	<input checked="" type="checkbox"/>
Management	Materials Minimisation	Yes	<input checked="" type="checkbox"/>
Management	Product Stewardship	Yes	<input checked="" type="checkbox"/>
Reusability	Modular	Yes	<input checked="" type="checkbox"/>
Reusability	Designed for Disassemble	Yes	<input checked="" type="checkbox"/>
Product Score %		100%	<input checked="" type="checkbox"/>

Office Interiors V1.1

Category	Title	Credit no.	Direct Points	Assisted Points
Management	Tenant Guide	Man-5		4
Indoor Environment	Volatile Organic Compounds	IEQ - 11		8
Indoor Environment	Formaldehyde Minimisation	IEQ - 12		2
Materials	Walls & Partitions	Mat - 3	3	
Materials	Joinery	Mat - 7		1
Materials	PVC Minimisation	Mat - 10		2
Materials	Timber	Mat - 11		2
Emissions	Insulation Ozone Depleting Potential	Emi-2		1
Totals			3	20



Glazing Systems

Panelwall now provide a wide range of demountable and flexible glazing systems to suit both environmental and design aesthetics. Each site is different, varied floor levels on a single or multiple floors can prove problematic for traditional fixed glazed partition systems. With each of our demountable glazing systems, flexibility has been incorporated into the design to manage these variances on site. This means that we can standardize framing and glazing components into a kit of parts so that the system can be relocated and reused over and over again.

Our glazing systems reflect the latest in European trends and are tailored to suit the Australian conditions. These include a Wideline (100mm), Narrowline (45mm), Slimline (25mm), Single Glazed, Double Glazed, Centre Glazed and Faced Glazed solutions. Narrowline and Slimline systems are available with integrated sliding doors in minimise the impact on space inside an office or meeting room.

In areas where a high level of acoustic privacy is required we recommend double glazed systems.

Pavilion System

Pavilions are a freestanding modular office solution. Each Pavilion can stand independently or in pods of 2 or more. Pavilions are constructed using a series of vertical corner posts and interconnecting modular walls and doors from our range of demountable wall & glazing systems. An integrated ceiling can be incorporated to form an acoustic enclosure or designed to fit within an existing ceiling system.



Basic Elements

Panelwall's solid demountable wall system is like a set of building blocks. Constructed using an aluminium framing system with height adjustable studs. Each stud incorporates acoustic seals creating an airtight seal with the wall panels. Panels are fixed to the framing using our patented panel clips that ensure each panel is hung plumb and level.

All system components including new releases are forward and backward compatible, ensuring new and existing clients can take full advantage of all solid wall and glazing systems when choosing partition configurations.

Panelwall also makes for a practical solution for cladding base building interiors and lift lobbies where consistent design can be integrated with the flexibility of finishes to suit each tenants own branding requirements.

Panels and Finishes

Our demountable solid wall system can be clad on either one or both sides to provide a wall lining or partitioning solution. Wall panels are made of solid or composite panels that can incorporate a diverse range of finishes. Wall panels used on Greenstar certified projects must be made from third party certified (CECA or Ecospecifier) materials to achieve eco-preferred content compliance. Where projects are not certified projects, wall panel finishes are only limited by a designer's imagination.

Wall panels are available in vertical, horizontal and freeform shapes or combinations of each. Panel sizes are limited only by the raw materials specified and access to the building site.

Panels are available in a wide range of different materials and finishes including pre-finished boards, painted, fabric, bulletin board, magnetic whiteboard, colour back glass, eco ply and veneers just to name a few. Custom finishes can also be incorporated to suit individual designs.



All paints and powder coats using in the production of our wall systems are low VOC and are sourced from local or overseas third party certified manufactures.

Integrated Components

Panelwall is not just a demountable partitioning system, Panelwall's framing system also incorporates a concealed fixing system that allows designers to develop their own integrated demountable furniture/storage solutions or choose from our existing library of storage, desking, and shelving designs. Incorporating furniture/storage reduces the materials used in fabrication, thus providing real cost saving while delivering a modular and flexible solution.

Acoustic Wall Panels

Panelwall's range of slotted and perforated patterns and finishes allow for infinite combinations enabling you to customize your designs. These panels perform ideally in areas where consideration must be given to sound control and aesthetics.

Naturally you can choose from Panelwall's extensive range of colours, veneers and finishes. These include timber, fabric, metallic and painted (low VOC) to name a few.

Acoustic Performance

Panelwall demountable solid partitioning system has been tested at the National Acoustic Laboratory located at Lane Cove, NSW, a NATA accredited facility. Vertical and horizontal panel configurations were laboratory tested with results in excess of RW47.

Our door and glazing framing systems are manufactured with heavy gauge extrusion walls to ensure the acoustic integrity. All doors and frames are sealed using quality brush and rubber acoustic seals.

Acoustic reports can be provided upon request.

Production Lead Times

Panelwall maintains a substantial inventory of system extrusions and components to partition up to 50,000m² of office space at any one time. Wall panels and components are manufactured and processed in our 2,500m² production facility using state of the art CAD/CAM machinery, which can produce in excess of 400 panels per day (240Lm).

Along with our inventory of extrusions and component we also maintain stock of over 1000 sheets of White and Off White pre-finished boards, which can be processed and delivered to site within five to seven working days from placement of an order.



Procurement of composite wall panels may vary depending on the availability of selected material finishes and adequate lead times should be allowed when specified

Financial Benefits

Panelwall demountable partitioning systems provide significant financial benefits over traditional drywall and glazing systems. Unlike standard drywall and glazed partition systems Panelwall demountable partitions can be depreciated at up to 6 times the rate allowed for fix capital assets (2.5%). The higher rate of depreciation means that the cost differential for our superior quality product can be recouped in as little as 18 months and over a ten-year lease period Panelwall can be full depreciated.

Panelwall has also been proven to provide significant on going financial benefits. In a recent analysis of reconfiguration project (churn) using Panelwall, clients saved over 50% of the reconfiguration costs when compared with using traditional drywall and glazing systems. Because Panelwall is full demountable and re-locatable many financial institutions treat Panelwall in

the same manner as loose furniture and include Panelwall as part of the clients leasing options.

Product Stewardship

As part of our commitment to the environment, Panelwall provides Product Stewardship on all of our demountable partitioning systems and joinery solutions. Throughout the life cycle of our product we maintain custodial ownership to ensure the entire product is environmentally managed in the most appropriate way.

When our demountable partitioning systems or joinery solutions reach the end of their usable life, Panelwall will, at the clients cost, dismantle, segregate and remove the components for either restocking or recycling. The financial benefit of restocked components are offset against the cost of dismantling and recycling. However the greatest benefit is measured in the reduction waste and the use of landfills.



Product Warranty

Panelwall provides a 10 Year limited warranty on all demountable partitioning system components including framing, panels, glazing and integrated furniture solutions.

Our Warranty is subject to all Panelwall demountable partitioning system and components being installed and maintained through out it life cycle by an accredited Panelwall installer. Where third party materials and finishes are specified.



Panelwall is currently available throughout Australia and Asia.

To find your local representative visit our website www.Panelwall.com.au or contact us directly
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