

Clipclad - Wall Panelling And Access Systems



WESTFIELD
WASHROOMS

Clipclad®

Alongside our design team Wills + Watson Associates Westfield Washrooms have developed Clipclad as the ultimate solution to precision wall panelling. Clipclad allows the simple mounting and de-mounting of panels to engineered metal frames. Panels can be mounted to Clipclad rails with buttons where fixed or full height, lift off panels are used. If access is required, cams and spring clips are used to secure and release the panels.

Clipclad is available in modular and linear forms, and with optional slim-line and dust and water sealed panelling, with each variation integrating seamlessly with one another, as well as our range of cubicles and laboratory furniture.

Clipclad supports almost any material suitable for interior use, opening up endless possibilities for innovative, space-saving and accessible cladding of any open space for retail, transport, education, healthcare, and commercial interiors.



Clipclad® linear

Linear rails for fitting on site to walls or supports with mounting and panels to your specification.

Clipclad® modular

Factory built metal frames with connecting brackets, pre-or post fitted with panels and services if appropriate for fast track installation and quality control.

Clipclad® slim and Clipclad® seal

Options for minimal projection from structural walls, and for water and dust-sealed demountable panelling.

Vertical and skirting details

Technical

Applications and Materials

04-05

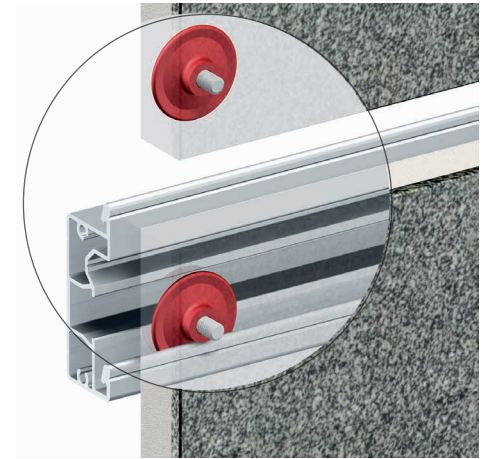
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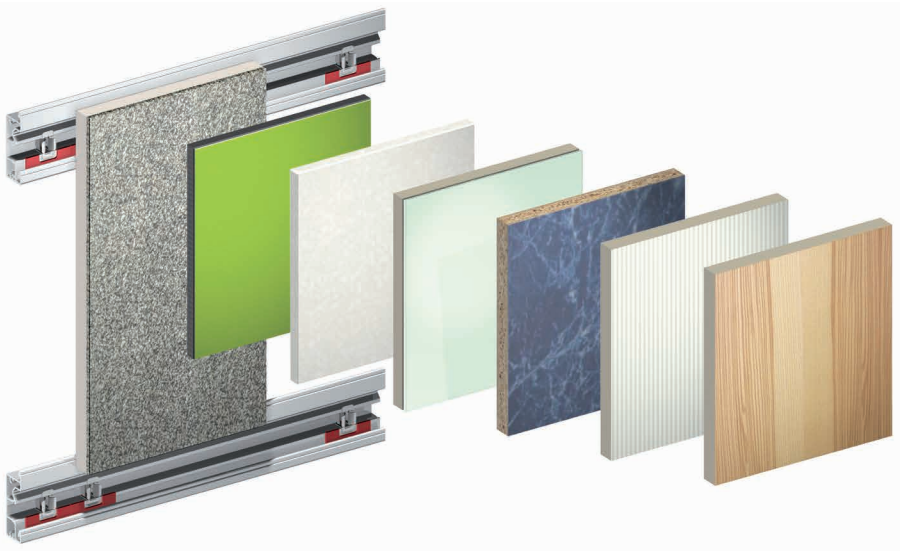
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Button Mounting



Cams and Spring Caps



The comprehensive wall panelling and access system

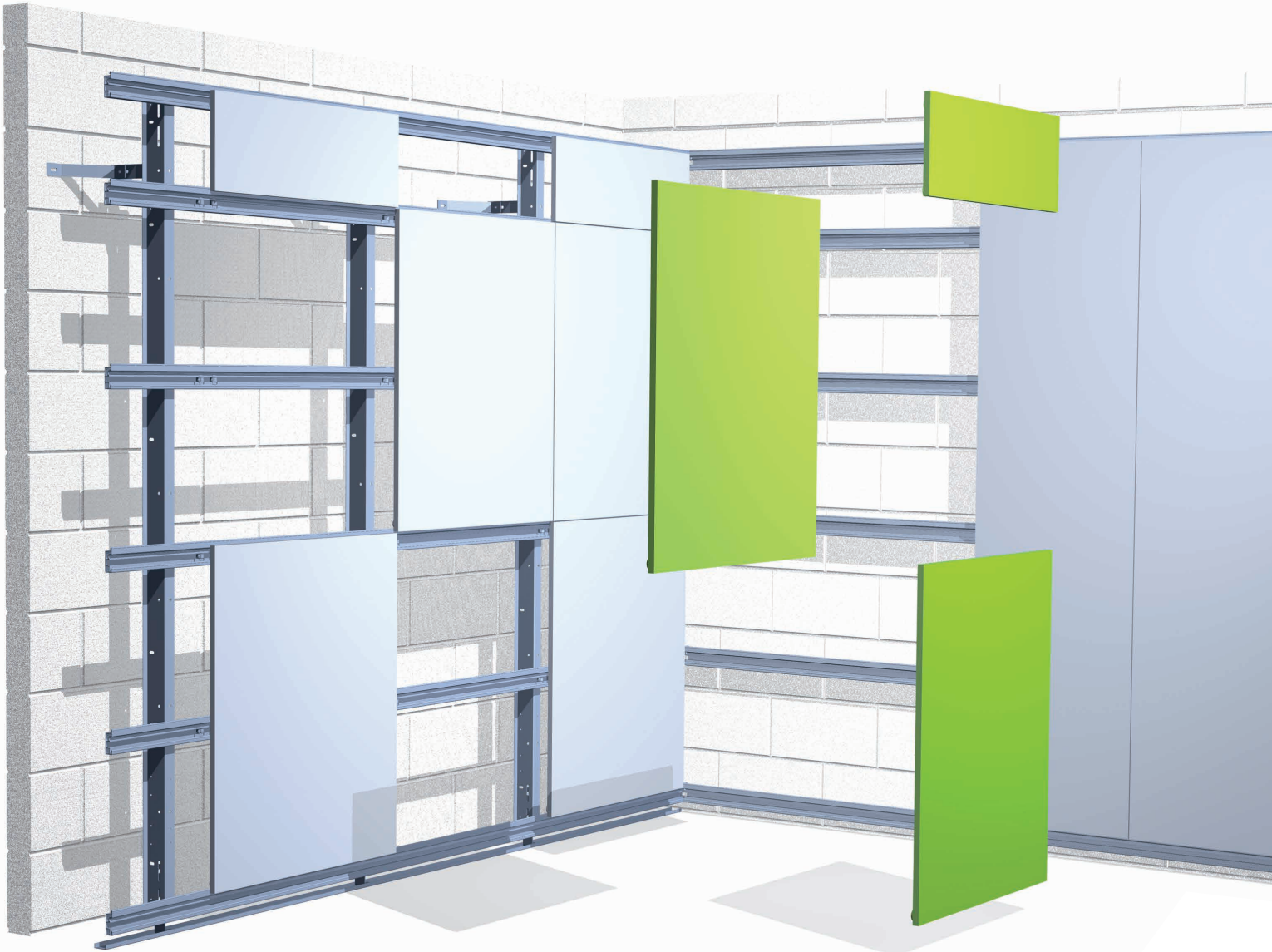
Clipclad® Linear demountable wall lining to service and access walls

Clipclad buttons are used for attaching panels where little or no demounting is required. Alternatively, Clipclad cams and clips are used where individual panels require to be demounted and refitted without disturbance to surrounding panels.

The new Clipclad rails have been designed to allow the mounting systems to be mixed as required, whether fitted with buttons or clips, and changed after installation if necessary.

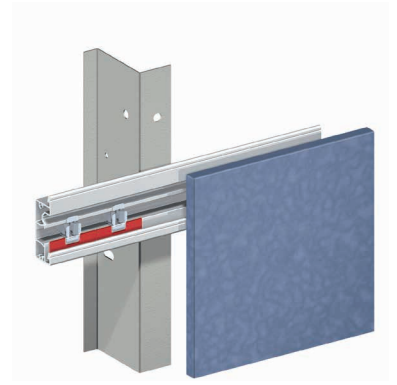
The Clipclad Linear system is well suited to wall runs where cladding is the prime aim without compromising access to services. Penetration of the panels for service outlets and lightweight equipment is also possible. The linear system can also accommodate heavy items like WC pans, however, we recommend that for these applications the Clipclad Modular system should be used.

The link between the Clipclad Linear and Modular systems is seamless, thus they can be mixed to obtain the best in both layout and cost.





Clipclad linear provides the opportunity to fit continuous Clipclad rails directly to walls or to a range of support uprights as shown (right).



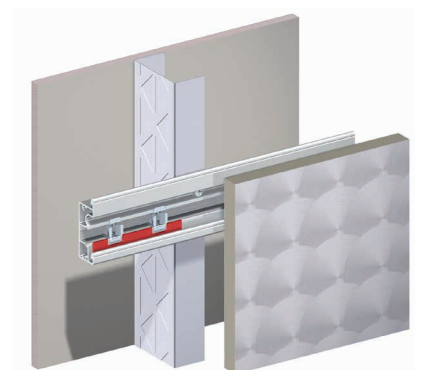
Clipclad metal upright



Timber framing



Direct wall fixing



Dry lining

Fast, reliable and adaptable



Clipclad® Modular factory built standard and tailored elements

Clipclad Modular is primarily a factory-built range of elements available from basic metal frames to complete fitted modular units with panels pre-mounted and, in some cases services part or fully mounted.

The use of factory assembly provides control over dimensions and accuracy in metalwork, and precision in panel alignment whether factory fitted or retro fitted to the frames.

Clipclad Modular elements are ideally suited for the mounting and support of heavy duty sanitary ware. The system is complete with the mounting frames to accommodate both wall hung and floor mounted ware, tested to meet the relevant performance standards. The system is also capable of linking with other proprietary support systems where these are a requirement of your sanitary ware supplier.

Modules are available as standard elements to accommodate the most typical service assemblies with recommended ergonomic dimensions.

Grant Westfield can also create Clipclad modules to any dimension required or design a range of special elements. These can be delivered to site fully or part assembled with panels, doors and inset components such as hand dryers and towel units. Conversion posts are available to enable simple linking of the modular and linear Clipclad systems.





Modules are joined together with linking brackets for close butting of panels, or with facilities for mounting decorative sections and partitions between the modules.

The frames have optional levellers or adjustable brackets that locate into a floor channel for fast and accurate alignment. A range of wall bracing brackets are available for vertical alignment and stability.

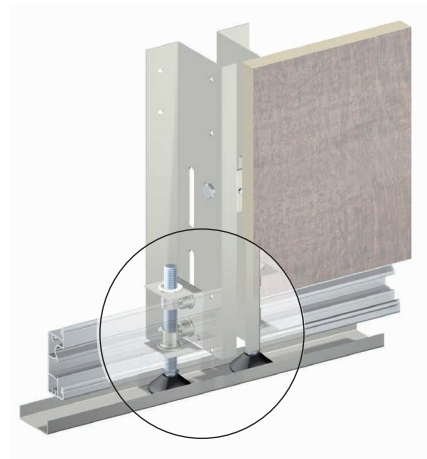


Close butting



Accommodating partitions

Pre-configured modules engineered for your site



Height levellers



Adjustable bracket

Clipclad® Modular freestanding modules

Clipclad Modular elements can be used back to back to form ducts between spaces or as peninsular and island serviced structures. A range of linking plates provide set service spaces and allow through pipe work and ducting.

The combined use of Clipclad Linear, Clipclad Modular, back-to-back and peninsular options allow Clipclad to create complete spaces, free of the building structure. Spaces can be subdivided while carrying services and service equipment.

Modules are available as standard elements to accommodate the most typical service assemblies with recommended ergonomic dimensions.

Multiple modules can also be created to any dimension required and to form a range of special related elements delivered to site fully or part assembled with panels, doors, inset components such as hand dryers and towel units.

Horizontal sub elements can be provided to span grouped elements such as vanity tops, work surfaces and linear storage units.



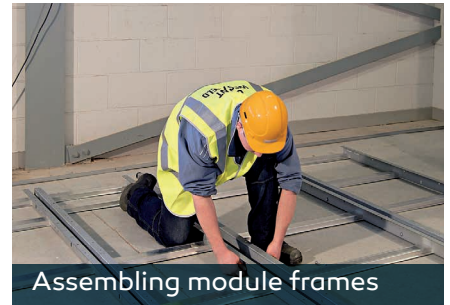


Modules are normally delivered with panels pre-mounted. Once floor channels are installed modules can be erected with some or all panels retained in place, or they can be demounted and the module frames bolted together before erection. The latter sequence is shown on the right.

Strong, self-supporting structures



Delivered module



Assembling module frames



Erecting assembly



Levelling feet



Verticle adjustment



Remounting panels



Finished panelling

Clipclad® Slim

Clipclad Slim retains the original Clipclad section giving a minimum 20mm distance from the mounting wall to the back of the selected panel (15mm + 5mm packer). Panels are mounted with the patented Clipclad button fixing allowing full height panels to demount providing there is a 15mm space at the top of the panel.

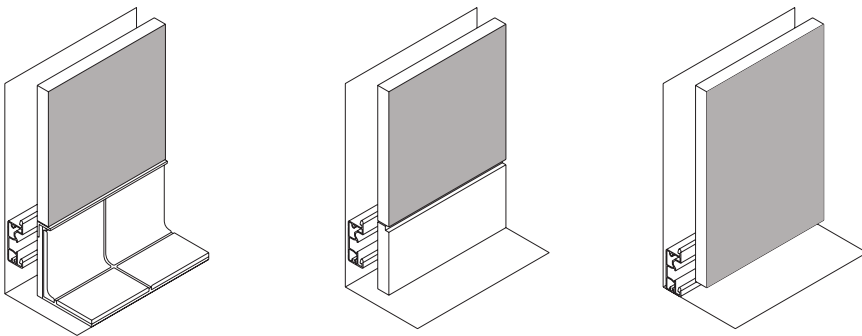
The system is recommended where space or projection from existing walls is an essential requirement.



Clipclad skirting detail

A range of floor solutions are available and most standard configurations can be accommodated.

Grant Westfield are able to offer solutions to suit your specific requirements whether it is customised flash gaps or special floor and ceiling connections.



Clipclad® Technical

Dimensions

Typical standard sizes are shown on the opposite page with particular reference to the horizontal jointing positions as they relate to typical sanitary ware. The standard modules have production punched locations which allow the Clipclad rails to be optionally positioned in four stations for these panel joints.

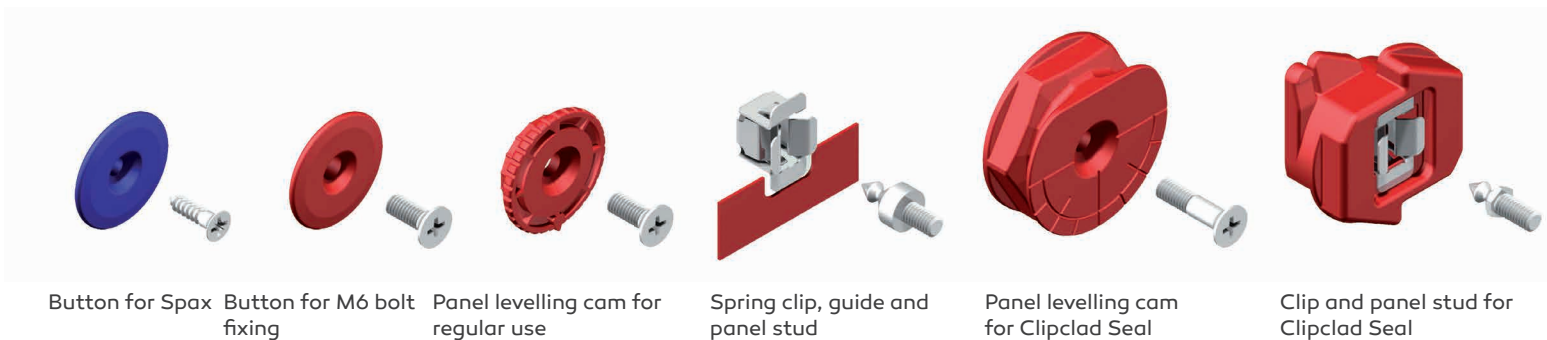
This allows the module frames to be reconfigured for reuse. Module widths are recommended but can be modified to suit your specific application. Heights can also be adjusted. The new Clipclad rail has increased loading capacity and stiffness suitable for unsupported use up to 1 metre long.

Clipclad components

The Clipclad system features a unique family of panel fixings manufactured in tough glass-reinforced nylon and electro-plated steel.

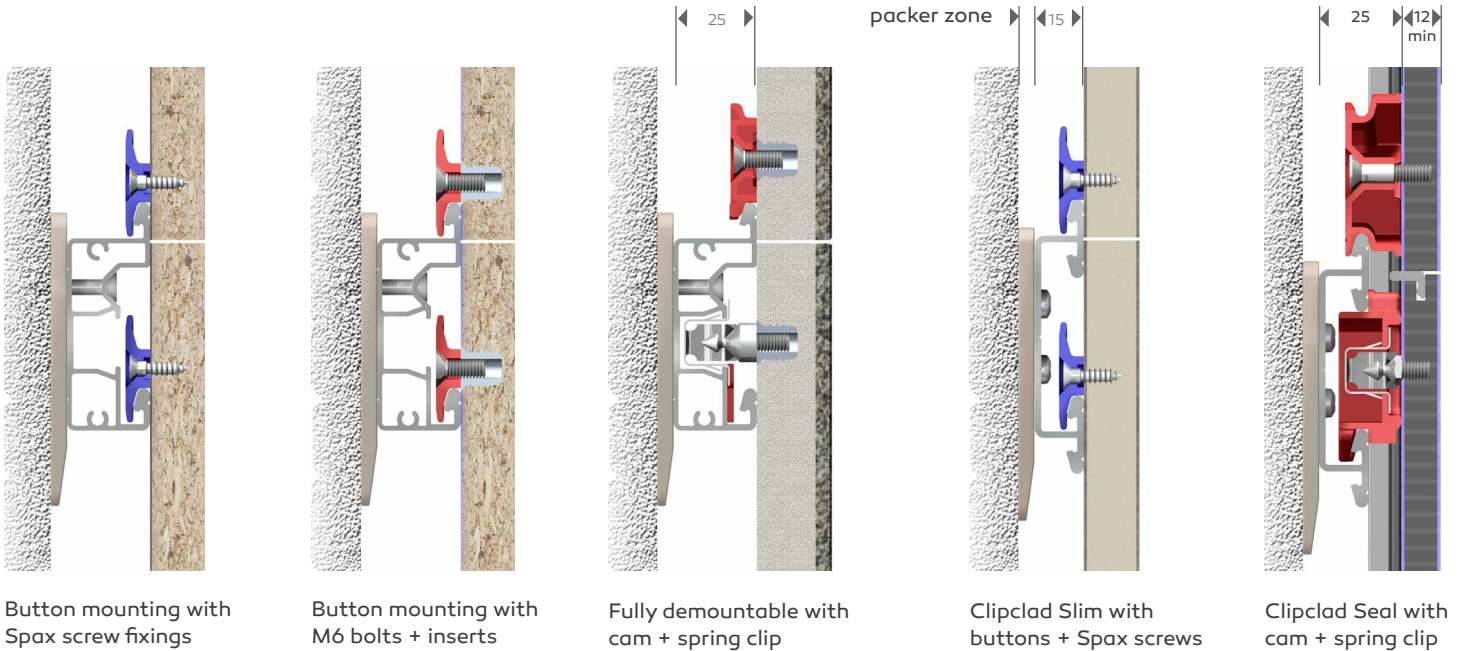
The patented Clipclad fixings are designed to carry all types of panels and test loadings are available for both Spax screws and bolted inserts for a wide range of typical core materials.

A range of test results for sanitary ware loadings are available based on ware mounted to the clipclad proprietary mounting frames and rails. Load tests comply with HTM68 and BS5234. Test results are available for WC mounting, wall cupboard loading and wash hand basins (where results exceed the 1500 Newtons required for Gold standard performance).



Typical Sections

These diagrams show typical sections through Clipclad Linear, Clipclad Slim and Clipclad Seal, indicating minimum dimensions in millimetres from the wall to the back of the panel.



Disability awareness

Clipclad and panels can be configured to support the full range of doc M components required in every area. Full working drawings are provided with all projects giving the client confidence that modern building regulations have been met.

Environmental

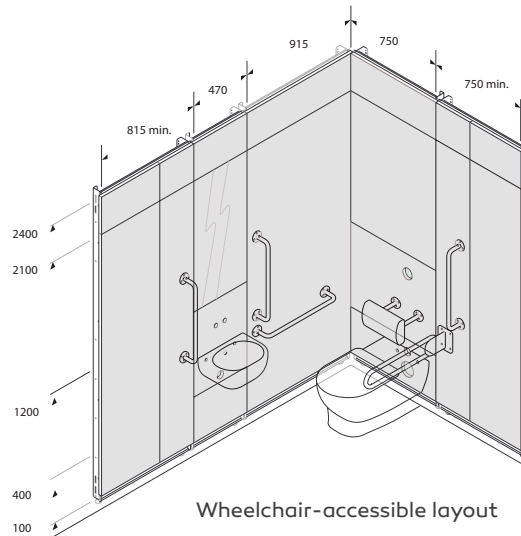
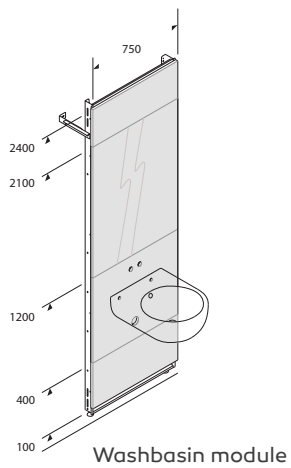
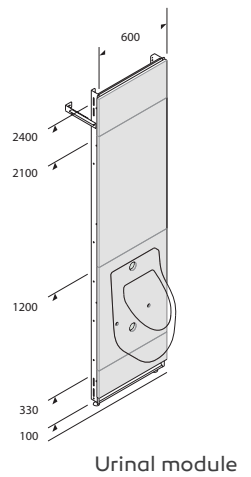
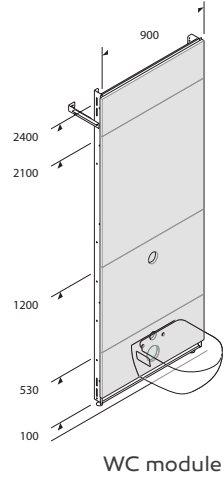
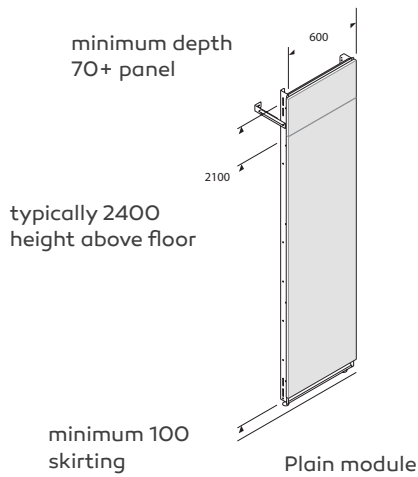
Clipclad rails are made in aluminium and the modular frames from zinc coated steel sheet and pressed sections. All these components are capable of recycling and in most cases are completely reusable for building new or modified frames, or as replacement parts for other Clipclad installations. All other Clipclad components are reusable or recyclable.

The selection of panels will determine the environmental footprint, for example most chipboard and fibreboard panels will be biodegradable, while some fire and moisture treated boards might require more specialised disposal techniques. Some high performance panel products are by their very nature difficult to dispose of but have long life expectancy. Other panel materials can be provided with full chain of custody evidence, tracing the source of material right back to the forest.

A number of new materials from re-constituted waste are becoming available, and sometimes offer a better footprint. Grant Westfield will be pleased to advise on technical and fabrication issues of all materials, and, in some cases, offer warranty on their use and performance.

Clipclad Modular for washrooms

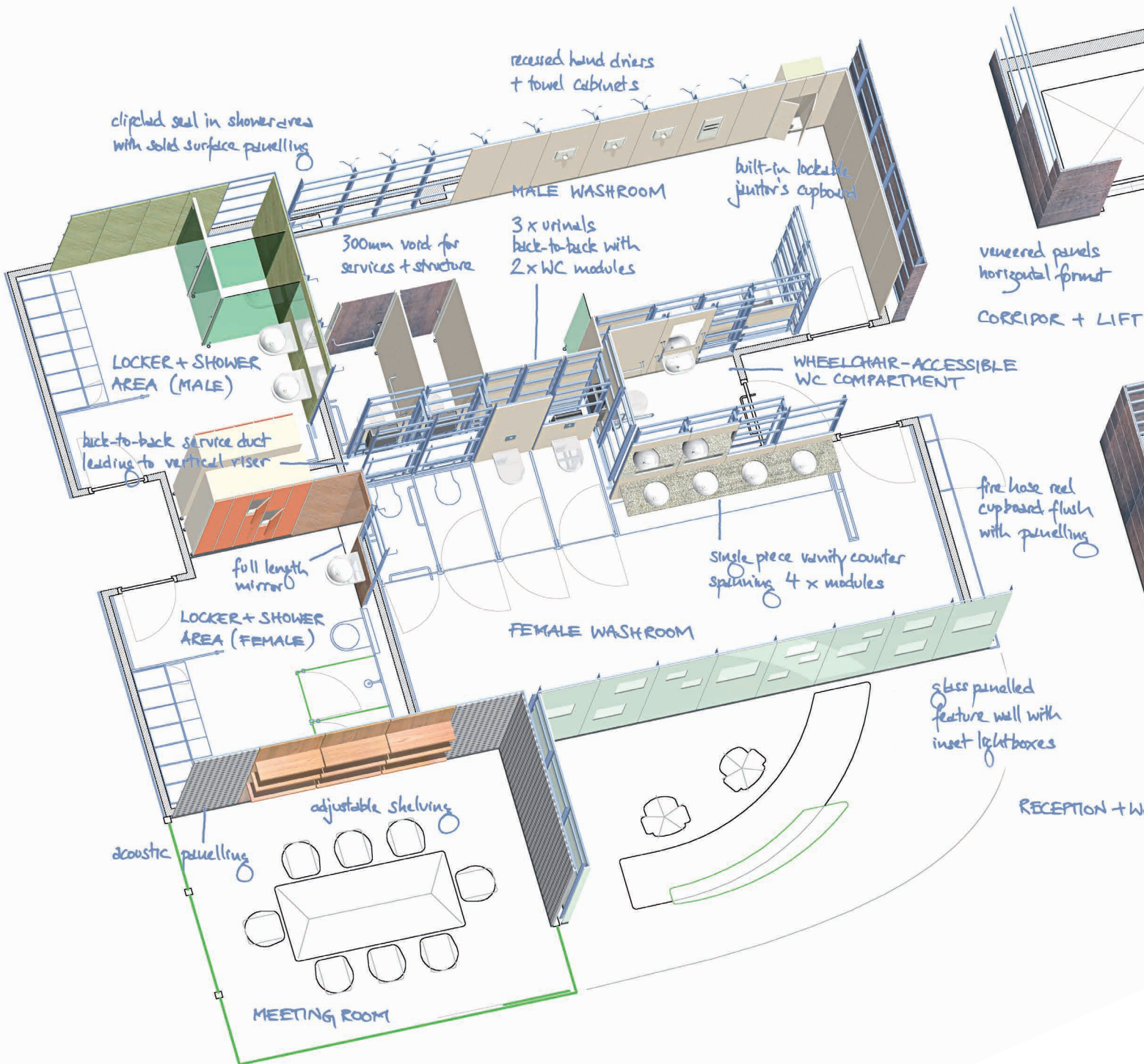
These diagrams show typical configurations for washroom applications with recommended dimensions in millimetres. Overall height of modules can be customised to suit specific ceiling dimensions.



Clipclad® Applications

Grant Westfield offers an extensive and sophisticated manufacturing facility for the production of panel products. Drawing on over 125 years in business and over 40 in panel production, our knowledge and experience of surface, core and balancing materials and their application is truly unique.

The list of materials opposite offers an insight into the almost endless results that can be achieved with Clipclad, while the illustration below identifies some of the areas where Clipclad in all its forms might be used. We leave it to your imagination to consider where else Clipclad might provide a solution your design problem.



Clipclad® Materials

Surfaces in:

Laminate
Wood veneer
Quartz
Foil
Glass
Acrylic
PVC
Reconstituted plastics
Fabrics
Rubber
Leather

On substrates of:

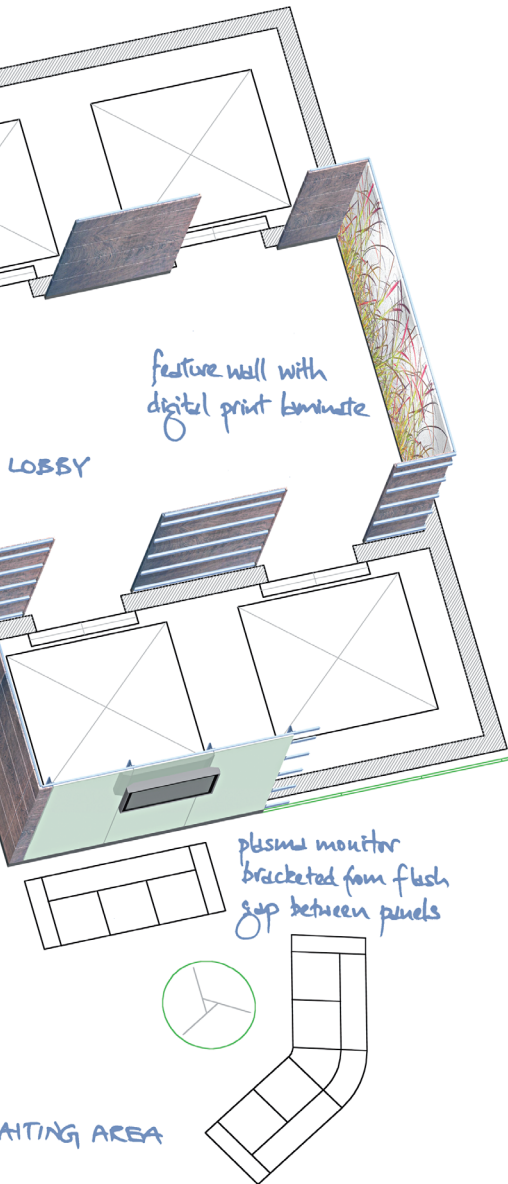
Chipboard
MDF
Plywood
Cement boards
Fire rated boards
Moisture and water resistant boards

Balanced with:

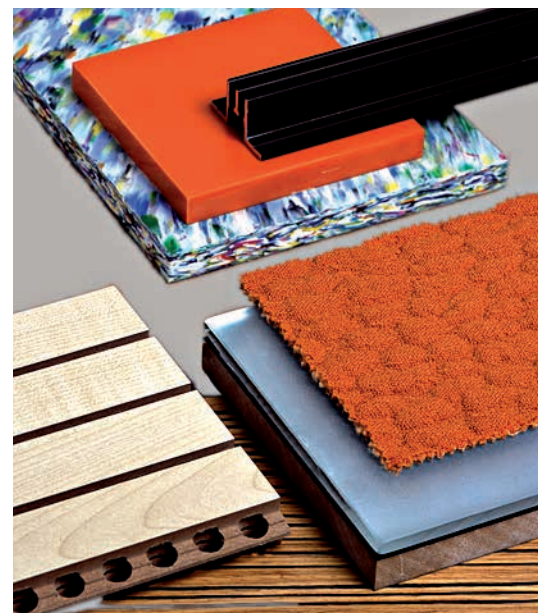
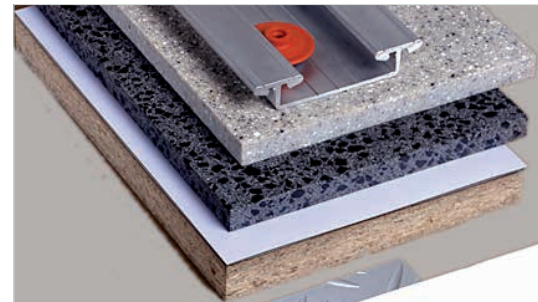
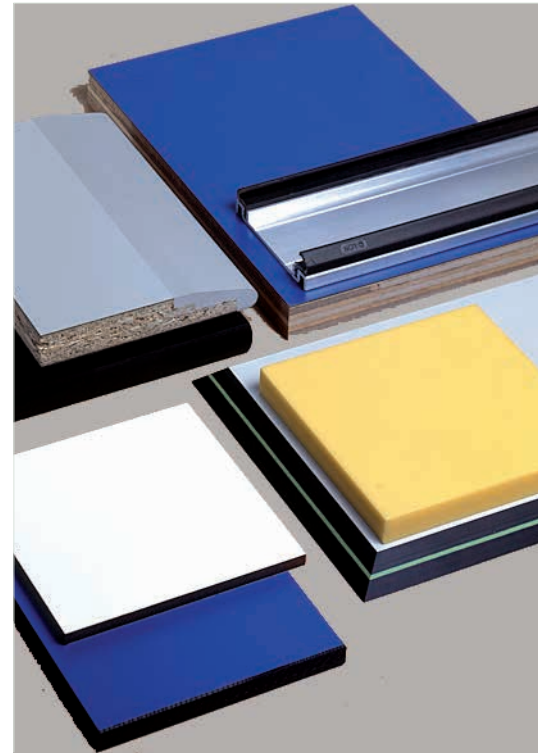
Laminate
Foil
Paper
Face Surface

Plus:

Compact Grade laminate
MFC
(foil faced chipboard)
MR MDF
Solid Surfaces
(Corian, Velstone etc)



**Endless possibilities,
total integration**



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