DEMOUNTABLE
WALL

PANELING
WP01
WP02

PARTITION
WP01P
WP03P

iqubx
interior systems
intelligent innovative integrated

DEMOUNTABLE WALL PANELING & PARTITION
WP01 & WP01P

https://iqubx.com/wall-paneling/
https://iqubx.com/modular-aluminium-demountable-partition-wall-system/

Technical Data WP01 & WP01P

Main post section 25 x 44 / 50 X 44 (for WP01P)
Main rail with hook system 12 x 53
Hook section 5 x 22
Typical partition thickness from 75mm to 100mm
All components are raw mill finish / can be powder coated

GREENPRO certified
6063 aluminium alloy, 100% recycled aluminium - 10% pre-cosumer & 90% post-consumer

KEY FEATURES

Designed for quick install & uninstall / relocate very easily

Structurally sound and can take desired loads

Removable panels allow access to embedded services for maintenance or modification with ease e.g. quick installation of a new switch board or removing one

Removable panels can be easily changed e.g. quickly installing glass board or a soft board instead of a laminated panel

For partitions, it has continuous cavity to allow insulation pads (for effective acoustic insulation) and any number of vertical electric conduits without any cutting of frame, even post-installation

IQUBX WP01 demountable paneling & WP01P demountable panel based Aluminium solid Office Wall Partition system

WP01P is a DEMOUNTABLE PARTITION WALL, GREENPRO (by IGBC, CII), structural aluminium frame and panel wall partition system based on WP01 wall paneling system.

WP01 frame work can be simply doubled and fixed together to generate WP01P partition system. Therefore, WP01 system can be used as paneling as well as partition system. Very quick install, it has unique features of removable panels and continuous cavity for acoustic insulation and electric conduits.

It is a post and rail framing system. The engineered post and rails are made of 6063 aluminium alloy and the panel skins made out of 12mm thickness edge banded pre-laminated particle board, or MDF, or veneered ply, or soft board or even 4mm glass board pasted on ply.

The rails are fixed to the post from front with screws (no brackets required resulting in fast assembly) in any configuration as per design to make the frame work. The load-bearing frame is fixed in plumb and line and the panels are mounted with lock clips on two horizontal edges which snap onto the frame rails with ease.

This allows easy installation and removal of the panels at any time providing 2 distinct functionality. First is that, panels can be removed anytime for accessing and maintaining the services running inside the partitions. Secondly, they can be replaced with other design of panels at any time. This system can save an enormous lead time and labor cost. This aspect can also make the workflow on site faster, as paneling or partitions need not be withheld for services installation

In case of partition, the rails are fixed on both faces of the posts creating a continuous vertical cavity of 25mm between the rails, which can be used for electrical conduits, other services, thus eliminating any need to drill holes to pass conduits or services. In fact, conduits can be put at any time even after the entire partition is complete, making it very easy for modification of electrical system and point locations in a project

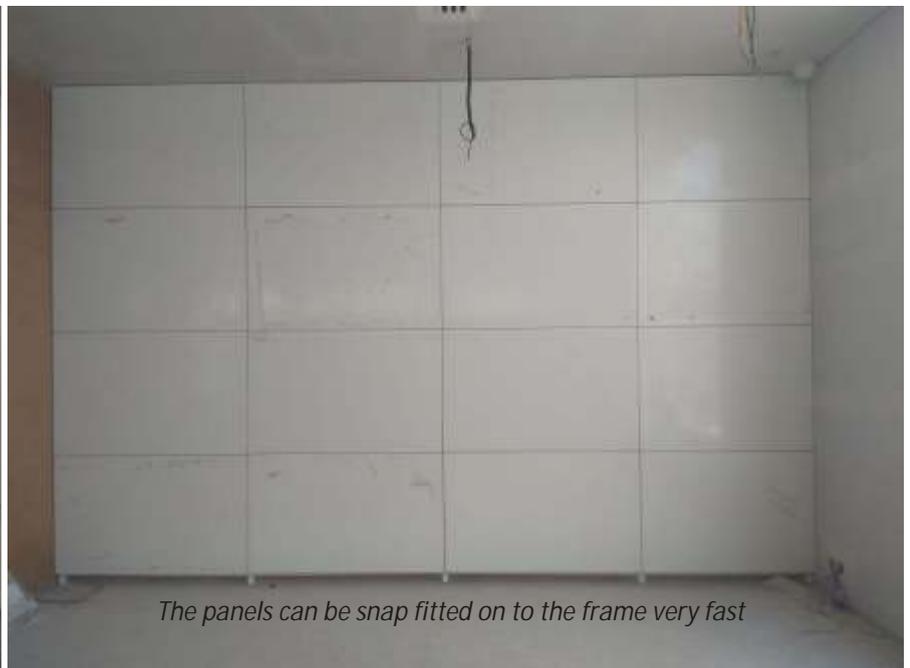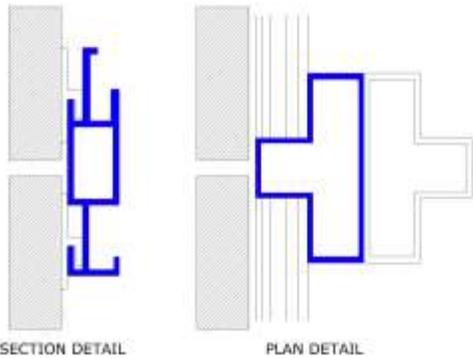This cavity is also excellent for continuous acoustic insulation.

A uniform vertical and horizontal groove from 4mm to 12mm is possible.

Typical thickness of WP01P is 75 mm with 50mm framing, 25 mm continuous cavity, 12mm panels skin on both side. WP01P can also be of 100 mm with the two post frames having an intermediate 25 x 40mm vertical aluminium channel and 50mm continuous cavity.

The only green certified demountable partition system along with WP03P

Removable panels can be easily changed e.g. quickly installing glass board or a soft board instead of a laminated panel

The rails are fixed to the post from front with screws (no brackets required resulting in fast assembly) and the panels are mounted with lock clips on two horizontal edges which snap onto the frame rails with ease

SECTION DETAIL

PLAN DETAIL

The panels can be snap fitted on to the frame very fast

DEMOUNTABLE WALL PARTITION
WP03P

Technical Data WP03P

WP03Pa post 44 x 50 mm
WP03Pb rail 60 x 9 mm
WP03Pc hook 25 x 10 mm
Typical partition thickness from 79mm to 104mm
All components are raw mill finish and can be powder coated in any color

GREENPRO certified
6063 aluminium alloy, 100% recycled aluminium - 10% pre-cosumer & 90% post-consumer

Easier assembly and locking panels

Better acoustics due to integrated gaskets all around the panel

Total thickness of partition is about 79mm with 50mm post & 12mm thick panels on both sides, with 2mm gap on both faces for rubber gaskets.

Continuous vertical cavity of 27mm is created between the rails.

A uniform vertical and horizontal groove from 0mm to 6mm is possible. In case a vertical panels of full heights are used, no groove needs to be provided

WP03P is a partition system based on WP01P. This is a dedicated partition system. For paneling, WP01P can be used in conjunction with this system with exactly the same aesthetics and look.

* Post and rail with panels modular construction
* Very fast to install and Very cost effective
* Continuous cavity for conduits and acoustic insulation
* Panels fixed with continuous gasket for acoustic insulation
* Anytime Changable panels with lot of options like Prelaminated board, laminated MDF, lacquered glass, soft board, cork board - allows post-construction flexibility as well as access for maintenance of embedded services

WP03Pb rail section

WP03Pa post section

WP03Pc hook section

IQUBX WP03P
DEMOUNTABLE
WALL PARTITION SYSTEM

DEMOUNTABLE WALL PANELING
WP02

https://iqubx.com/wall-paneling/

Technical Data WP02
Top channel 14 x 13
Base plate 24 x 9

Powder coat / Anodized

GREENPRO certified
6063 aluminium alloy, 100% recycled aluminium
- 10% pre-cosumer & 90% post-consumer

IQUBX WP02 MODULAR ALUMINUM SNAP-FIT WALL PANELING AND CLADDING SYSTEM

This snap-fit paneling system for walls is a very versatile system which allows different material panels to be installed quickly on existing walls and partitions. The wall panel material can be any 12 mm thick material panel like Gypsum board, calcium silicate board, clear glass, lacquered glass, wood, pre-laminated board or ply, soft board etc.

The unique fixing system has a base channel which can be fixed on any substrate with screws to a location which is one edge of the receiving wall or partition. The pre-sized panel is placed and the second base channel is placed with flange underneath the panel. The earlier base channel (fixed first) is plugged with snap-fit male channel with flanges to fix the wall panel from one side. The second panel is placed and the third base channel fixed in continuity. The second male channel is now fixed and the fixing continues.

The front visible channel has just 5mm wide flanges on both side and a 4mm groove in between, It can be powder-coated or anodized as per site requirements.

This system allows the fixing of wall panels at a very high speed on site and can cover over 1000 sqft in a single day using just two manpower.

Any panel can be changed for want of change of material finish, repair, maintenance etc. Carefully designed and installed system can even allow creation of fenestration like a clear glass fixed window in cabins at any time.

It can be paired with aluminium channels and clad from both sides to create a partition system in no time as well.