USM

Technical Documentation
USM Privacy Panels

Modular USM Privacy Panels are the space-saving, flexible solution for structuring workplaces, zoning of work environments, ensuring the user's privacy and optimising acoustics in the work space.
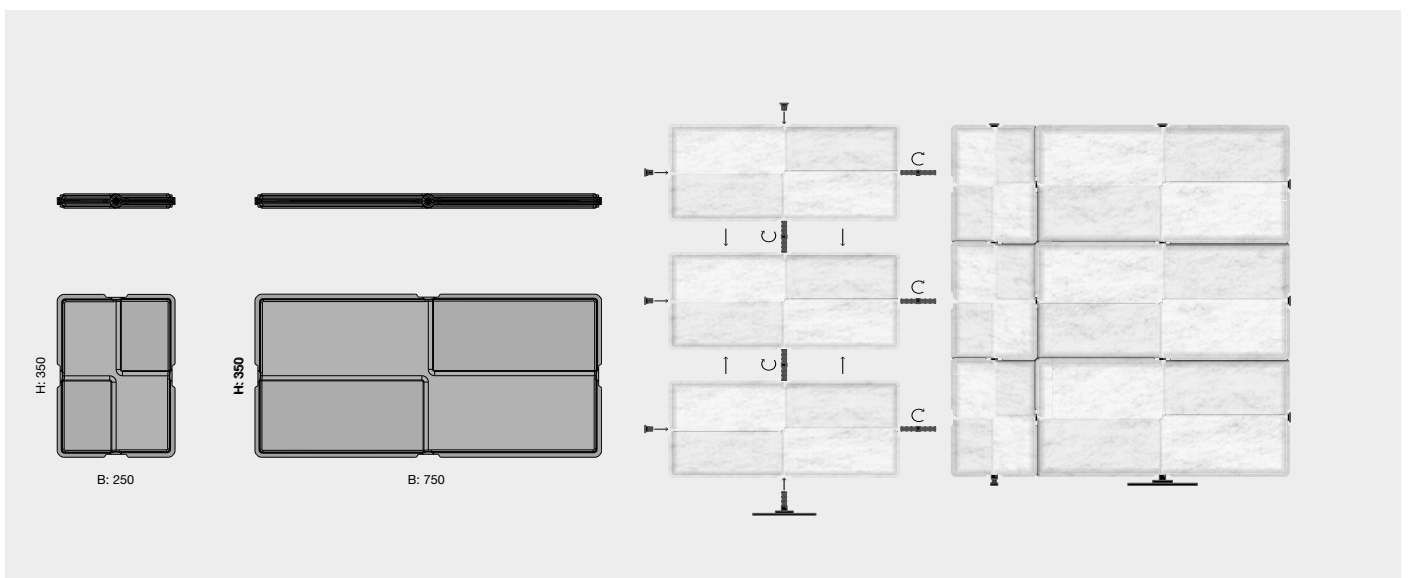
Basic principles

Modular system

USM Privacy Panels are a modular system built up of individual panel units. Each panel unit consists of two layers of moulded polyester fabric separated by a tubular cross-piece.

They can be used in a free-standing version or mounted on tables to divide up the work space, ensure privacy and absorb unwanted noise.

Assembly principle

H: 350
B: 250

H: 350
B: 750

The panels are available in two sizes, a smaller version measuring 250 × 350 mm and a larger version measuring 750 × 350 mm. These dimensions are chosen to match those of USM modular furniture Haller.

USM Privacy Panels can be combined next to or on top of one another and are joined by means of panel connectors. This is done by fully inserting the panel connector into the tubular cross-piece inside the panel and then pushing the panels together so that they overlap. The panel connector can then be rotated with respect to the cross-piece until it clicks into place. This locks the panel connector firmly into the cross-piece to give the USM Privacy Panel the desired stability.

The only tool required for the entire assembly is a No. 4 Allen key. A more convenient approach is to use a pin driver to tighten the panel connectors and the connecting pins.

Applications

USM Privacy Panels can be used in various configurations:
Units can be combined to form large free-standing walls, which can easily be built round corners.
Special panel supports are also available to mount the privacy panels on tables.

USM Privacy Panels - Free-standing

Free-standing USM Privacy Panels are mounted on base plates and support glides. To ensure stability, at least two panels must have a base plate each in at least one direction.

The system can also be built round corners in two, three or all four directions. The only additional component needed here is USM's special chrome ball joint.

USM Privacy Panels - Table-mounted

The table-mounted privacy panels are assembled according to the same basic principles as the free-standing USM Privacy Panels, but they are not mounted on base plates and support glides. Instead, panel supports mounted on the table are used. There are different types of panel support for the different types of table. The maximum height of a table-mounted privacy panel is two panel units.

Panel support types:
In the case of tables that have adaptor points (USM Kitos E Plus, USM Kitos E Advanced, USM Kitos M Plus, USM Haller Table Plus and USM Haller Table Advanced), the privacy panel is mounted on the two outermost adaptor points on the table.

In the case of the USM Haller Table (which has no adaptor point), the panel is mounted on the table frame with the aid of two panel supports.

In the case of USM Kitos Tables that have no adaptor point (USM Kitos A, USM Kitos B1, USM Kitos B3, USM Kitos C, USM Kitos E and USM Kitos M), a special panel support is also used.

Compatibility of the panel support

	Plus und Advanced (1) panel support	Classic (2) panel support	Kitos (3) panel support
USM Haller table		X	
USM Haller Plus table	X		
USM Haller Advanced table	X (*)		
USM Kitos A			X
USM Kitos B1			X
USM Kitos B3			X
USM Kitos C			X
USM Kitos E			X
USM Kitos E Plus	X		
USM Kitos E Advanced	X		
USM Kitos M			X
USM Kitos M Plus	X		

*Incl. spacer

Components

Panels

The panel unit is the basic component of the USM Privacy Panels. It is available in two sizes, matching the dimensions of USM modular furniture Haller:

L: 750 / H: 350
L: 250 / H: 350

Structure
Each panel unit consists of two layers of moulded polyester fabric with a tubular cross-piece glued in between them. Each of the four ends of the tubular cross-piece is provided with three notches, which engage with the panel connectors and connecting pins used to join the panel units together.

Panel connector

The panel connector is used to join the panel units. It engages with the tubular crosspiece to give the privacy panel as a whole the necessary stability.

Structure
Fibreglass-reinforced plastic with a metal core for reinforcement. The panel connector has a grooved section on each side, which engages with the notches in the tubular cross-piece.

Ball joint (incl. connecting pins)

The ball joint is used to connect panel units at right angles in two, three or four directions. It is joined to the panel units with the aid of the connecting pins.

Structure
The ball joint consists of a chrome ball with threaded holes in all four directions, to which connecting pins can be attached. When joining panel units at right angles, the ball joint is first mounted on one end of the tubular cross-piece in question, and then the connecting pins are screwed into the appropriate threaded holes in the ball joint.

End cap

The end cap is used to cover the ends of a tubular cross-piece that are not used for connection purposes.

Structure
ABS-coated plastic. End caps are placed in the ends of all tubular cross-pieces that are not used for connection purposes at the end of the assembly process. It is convenient to twist the end cap slightly when introducing it into the end of the tubular cross-piece.

Components

Plus and Advanced panel support

This panel support is used to mount privacy panels on the following table types:

- USM Haller Table Plus
- USM Haller Table Advanced (with spacer)
- USM Kitos E Plus
- USM Kitos E Advanced
- USM Kitos M Plus

It is always mounted on the outermost adaptor points of the table in question.

Structure
The panel support consists of a panel base, a side arm, a connecting pin, a spacer (only used with the USM Haller Advanced table) and three countersunk screws. To assemble, first insert the connecting pin into the panel's tubular cross-piece before the panel support is fitted and inserted into the outermost adaptor point.

Classic panel support

This panel support is used to mount privacy panels on the classic USM Haller Table.

Structure
The Classic panel support consists of two clamp units, the adaptor tube and its insert, and two cylinder-head screws. The two clamp units are used to mount the panel support on the table frame. A normal panel support is used to connect the panel to this panel support.

Kitos panel support

This panel support is used to mount privacy panels on the following table types:

- USM Kitos A
- USM Kitos B1
- USM Kitos B3
- USM Kitos C
- USM Kitos E
- USM Kitos M

Structure
The Kitos panel support is first immobilised while the connecting pin is inserted in the panel. The panel support is now mounted on the tabletop, during which process a pressure plate is clamped between the underside of the table and the bracket. The panel support is now fixed on to the table with the aid of two setscrews.

Components

Base plate, wide (248 × 400 mm) & (125 × 400 mm)

The base plate, made of 6 mm steel plate, gives the privacy panel the necessary stability. It is 248 mm wide and 400 mm long (providing 200 mm of support on either side). The panel is mounted on the base plate with the aid of a foot tie.

Support glide

The support glide is used between two base plates.

Structure
It consists of a connecting pin and a levelling foot taken from the USM Haller range. To assemble, the connecting pin is first inserted into the cross-piece, after which the entire levelling foot is screwed into the connecting pin.

Connecting foot complete

The foot tie is used to mount the panel on the base plate. It is only necessary to unscrew two countersunk screws to change the base plate.

Structure
The foot tie consists of a connecting pin, a base and two I-6kt countersunk screws. To assemble, the connecting pin is inserted in the cross-piece of the panel and then mounted on the base plate with the aid of the countersunk screws and the base.
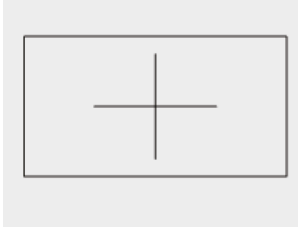
4 mm pin driver
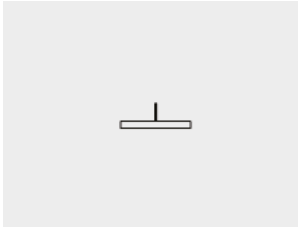
No. 4 Allen key

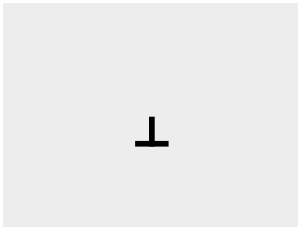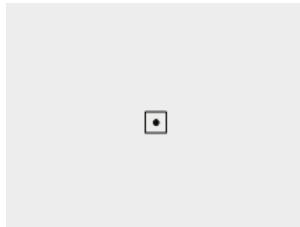# System symbols

Panel 750 × 350

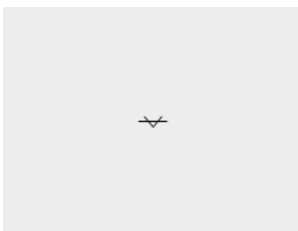Panel 250 × 350

Narrow base plate
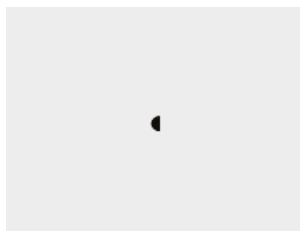
Wide base plate

Toot tie
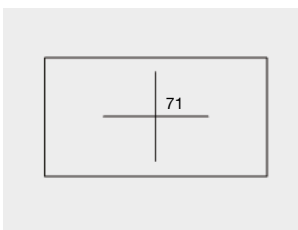
Ball joint incl. connecting pin
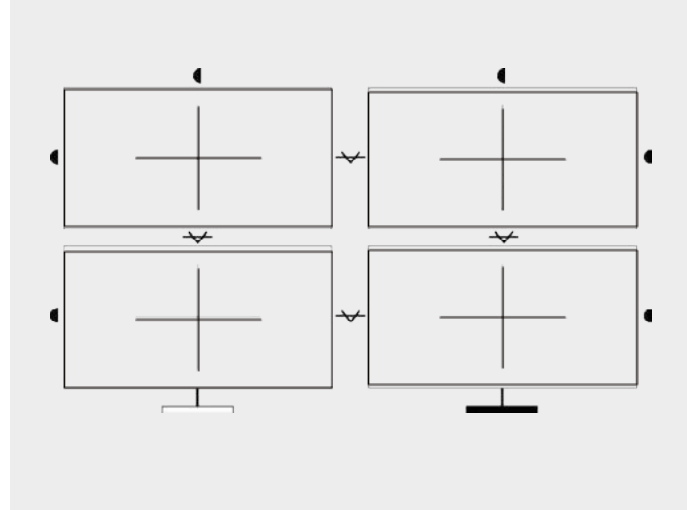
Panel connector

End cap

Plus/Advanced
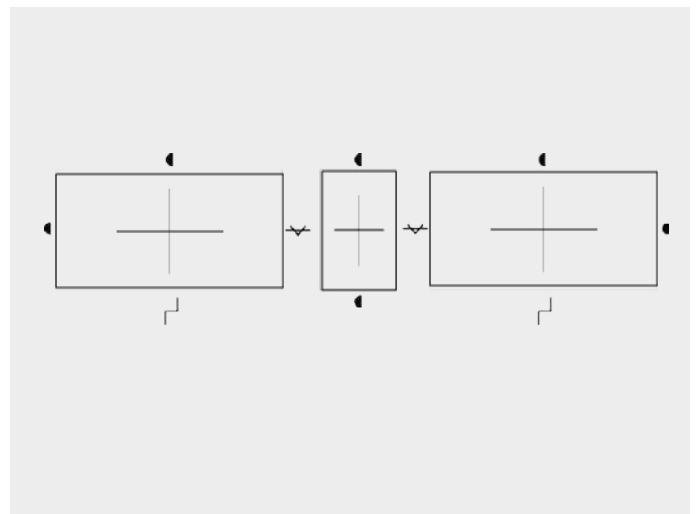
Kitos

Classic

Panel support

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Panel with other colour than
that configured

Examples

USM Privacy Panels - Free-standing

USM Privacy Panels - Table-mounted

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Colours

Basic colours – Price class 1

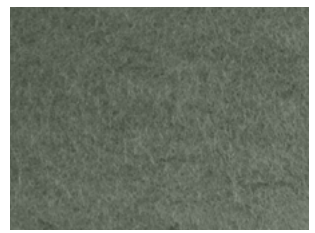USM Privacy Panels
Anthracite

USM Privacy Panels
Light Grey

Both basic colours Anthracite and Light Grey will be available from January 2015. These panel colours consist of a certain mix of black and white fibres, and together they represent price category 1.

Colours – Price class 2
(available from summer or autumn 2015)

USM Privacy Panels
Green gray

USM Privacy Panels
Basalt gray

USM Privacy Panels
Green

USM Privacy Panels
Blue

USM Privacy Panels
Yellow

These panel colours will be introduced in the summer or autumn of 2015, alongside the two above-mentioned basic colours Anthracite and Light Grey. They are made by mixing a certain proportion of black fibres with coloured fibres, to give the desired shade of colour. They represent price category 2.

Cleaning

Handling

It is advisable not to pin notices on to the USM Privacy Panel, as this can leave traces if a pin is inserted at the same spot several times. It is however possible in principle to use the USM Privacy Panel in this way. In addition, knocking the panel with sharp objects and use of Velcro to hang things on the panel should also be avoided.

Cleaning

Dry cleaning
Dirt can be removed with a normal commercial vacuum cleaner.

Wet cleaning
Wet cleaning should be performed as carefully as possible. Rub a small amount of a commercial washing-up liquid cautiously into the soiled spot with a moist cloth*, and wash it off with a little water.

* We recommend the USM cleaning cloth.

Possible configurations