

The Partition Wall



**Relocatability
without material loss**

**Perfection
in detail**

**Fulfilment of the
highest constructional
requirements**

**Versatility
and compatibility**

**Optimized
room acoustics**

**System-integrated
solutions**

Partition walls

create spaces.

The **feco** system. Visible perfection.



feco partition wall systems are as individual as your project.

System partition walls are lightweight, non-load-bearing, unitized and removable interior walls with closed and transparent surfaces made of wood, glass and metal. They consist of a metal substructure and two-sided cladding with intermediate insulation as well as glazings and doors. The wall elements are prefabricated building-specific at the factory and assembled on site in short, clean assembly processes.

feco system partition walls meet the highest construction-related requirements in terms of sound insulation, sound absorption, fire protection and statics.

Add to this, the wide-ranging design options. In addition to a wide variety of surfaces, the feco system offers a wide range of glazing options for every requirement and every taste.

The big advantage of the feco system partition walls is their relocatability.

In conjunction with an element system matched to the building grid, rooms can be subsequently adapted to requirements, walls installed and removed or doors exchanged for wall elements – if desired, even during ongoing business operations. The additional investment compared to drywall walls usually pays for itself with the first conversion measure.

The partition wall elements – whether solid wall, glazing or door units – all have a basic wall thickness of 105 mm. Door and glass frames are face-flush with the closed wall elements and separated by 6 mm shadow joints. The only exceptions to this wall thickness are the recessed-designed fecoplan glazings and the special design variants with wall thicknesses of 125 mm and 175 mm respectively for exceptional static and acoustic requirements.

All fastenings are concealed as standard. Screw connections or other point connections are not visible, neither in the closed wall elements nor in glass walls. Connections to the floor, wall and ceiling have recessed shadow joints. The ceiling connection has a standard telescopic design to accommodate construction tolerances and structural movements.

One special aspect of the feco partition wall system is the way in which the wall panels are connected to the substructure.

In the patented feco clamping system, wall panels are clipped into the system uprights using the full-length, reverse-mounted steel retaining rails. This method provides more stability, more accurate joint alignment and increased sound insulation values compared to structures with only point fixture. The wall panels contribute to high static strength across their entire surface area, while the slim system uprights reduce the transmission of sound waves.

Wall heights of up to 5,000 mm, sound insulation values up to $R_{w,P} = 52$ dB, and fire resistance ratings up to 90 minutes with a uniform wall thickness of 105 mm are possible, as proven by numerous test reports, test certificates and approvals.

Please contact us for more information on how we can individually meet your specific requirements.



Nothing
but glass.

fecoplan.

The all glass system.



The all-glass construction

Only fixed to the floor and ceiling with slender aluminium profiles, the vertically frameless glass panes are reversibly glued with transparent tape.

50 mm connection profiles allow the acceptance of building tolerances and provide a stable connection. Corresponding element: The fecoplan system door-frame with integrated glass groove. Unique in the market due to its integrated aluminium technical panel for electrical installations and individual room signage. Innovation by feco.

Maximum transparency

The all-glass fecoplan partition wall system offers maximum transparency. The joints of the all-glass partition wall system are sealed with transparent glass adhesive tapes with passivated front edges as dry bonding, ensuring a uniform joint quality. In this way, the all-glass construction becomes a system partition wall solution that can be dismantled and reassembled.



Product features

- Central single-pane glazing as a post-free all-glass structure
- Aluminium retention profile with a width of only 50 mm
- Wall thickness of 35 mm
- Glass joints as translucent dry bonding
- Glass pane insertion of 18-25 mm according to TRLV
- Acceptance of building tolerance and movements of up to +/- 15 mm
- Aluminium door frame tapered to 70 mm with integrated glass groove
- Surfaces optionally finished with anodised aluminium or powder-coated in RAL-colours
- Design available as fall-protective glazing
- Sound insulation test certificates for glass wall $R_{w,P} = 35$ dB up to 42 dB



feco

feco Systeme GmbH

Am Storrenacker 22

D-76139 Karlsruhe

Germany

Telephone: +49 721 6289-500

E-Mail: mail@feco.de

Internet: www.feco.com