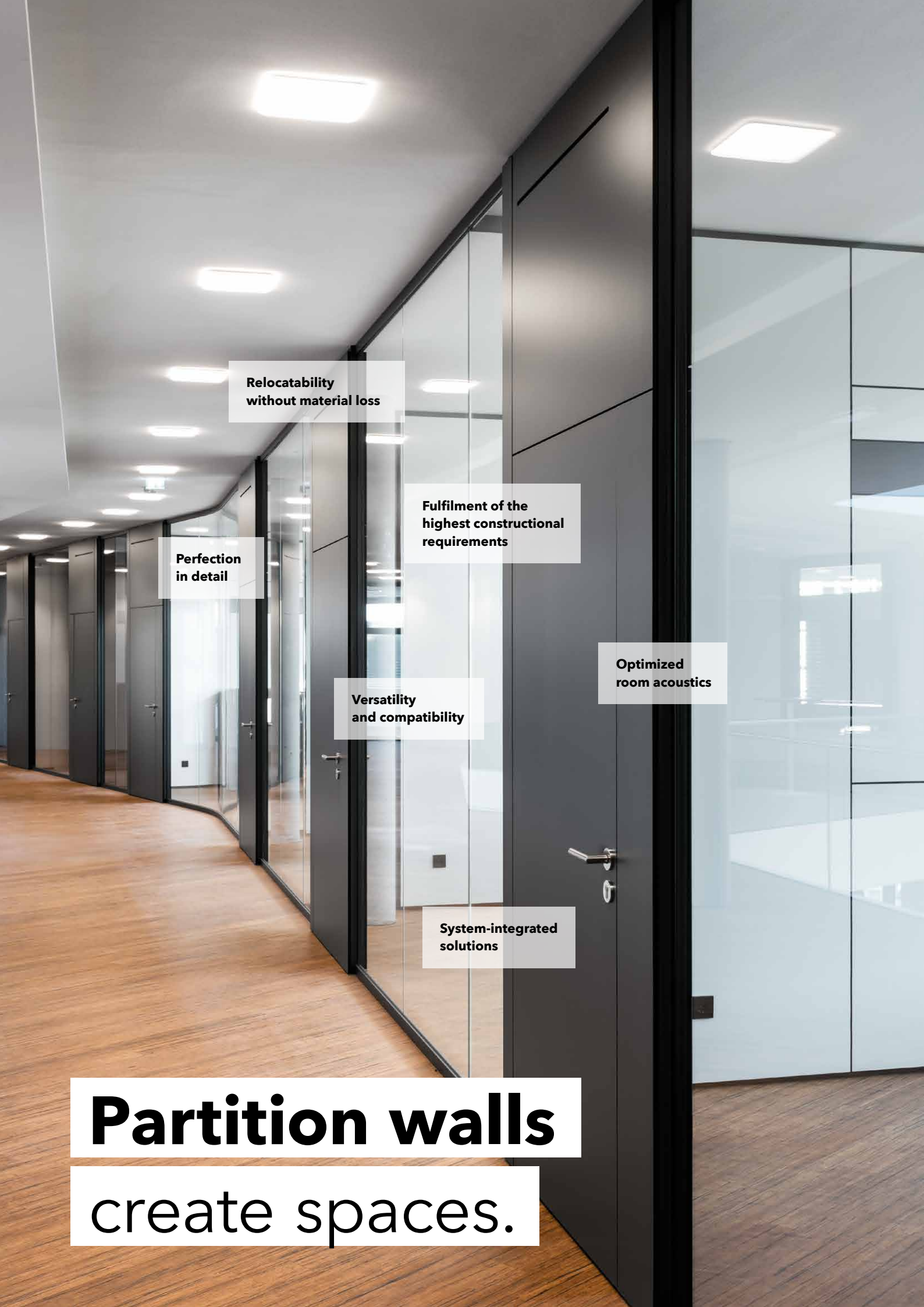


# The Partition Wall



**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.



**Flexible**

into the future.

# fecowand.

## The solid wall.



### Its versatility makes the partition wall a classic.

Melamine, laminate, veneer, textile or metal, standard or high sound insulation, with or without fire resistance – whatever version you select, the visual impression is perfect. The same applies to the acoustic quality, because even the basic version of fecowand achieves a sound insulation of  $R_{w,P} = 47$  dB – naturally in fire resistance ratings up to EI90.

Only with the patented feco clip system are the wall panels invisibly clipped to the partition wall uprights by means of clip rails running along the entire length. The advantages as compared to a simple point fixture are:

**Improved stability:** The inserted full-length clip rails form a solid connection with the partition wall upright, thereby increasing the strength – as proven by tests according to DIN 4103.

**More exact joints:** At the same time, the partition wall panels are precisely fixed to prevent them moving sideways. This ensures longitudinal stability and, in particular, a precisely-fitting joint pattern.

**Higher acoustic insulation:** The full-length solid connections between the partition wall panels and the substructure result in excellent acoustic insulation.

### Product features

- Moveable modular partition wall as solid wall
- Wall thickness 105 mm, for special versions 125-175 mm
- Slender 6 mm shadow gap between the elements
- Concealed fixture of all wall panels
- Recessed connections on floor, wall and ceiling
- Integrated negative base, no skirting board required
- Smooth ceiling connection as standard
- Substructure from system steel profiles
- Insulation with bio-soluble mineral fibrous sheet
- Covering from wood-based material, usually three-layered quality chipboard (for EI90 plaster composite materials)
- Standard surface finished with direct melamine resin coating, optionally laminate, real wood veneer, metal, fibreglass fabric, textile or varnish
- High level of prefabrication ensures short installation times
- Exceptionally high acoustic insulation by means of patented feco clip system with full-height clip rails
- Sound insulation test certificates for solid wall  $R_{w,P} = 47$  dB up to 52 dB



Das Zeichen für verantwortungsvolle Waldwirtschaft



Förderung nachhaltiger Waldwirtschaft www.pefc.de



As a certified company, we can offer FSC®- and PEFC--certified certified solid walls and wooden door panels manufactured in our own factory.

**feco**

feco Systeme GmbH

Am Storrenacker 22

D-76139 Karlsruhe

Germany

Telephone: +49 721 6289-500

E-Mail: [mail@feco.de](mailto:mail@feco.de)

Internet: [www.feco.com](http://www.feco.com)