



T 34 EI30



GOLDBACH KIRCHNER

Product description / details

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Product description

T34 EI30 glass partition wall – triple-glazed panels Flush front, with central fire safety pane

Flexible partition wall using triple-glazed panels, with central fire safety pane. For fire safety zone use, the T34 EI30 partition wall visually complements the T34. Dry-glazed panes with aluminium surround, face width 34 mm, same as the narrow door frame and central fire safety pane. F30/EI30-certified. No fixed width units, adjustable to suit all room heights. Choice of widths for vertical glass layout up to 1.50 m. Up to 2.50 m for horizontal glass layout. Module height up to 4 m, up to 4.50 m with top panel, with ceiling bulkhead up to 5.00 m. The system permits architectonic design of open-plan building structures while simultaneously meeting fire regulation requirements. Partitions can be repositioned in their entirety without loss of material.

All of the materials used comply with the latest technological and sustainability standards.

The T34 glass partition wall can be combined with any Goldbach Kirchner partition wall or storage wall.

Advantages at-a-glance:

■ Construction:

- Partition wall based on a steel skeleton frame
- Double glazing, flush front
- Wall thickness 100 mm throughout
- Solid partition/glass/door panels can be combined throughout
- Vertical storage options, integrates with media base

■ Flexibility:

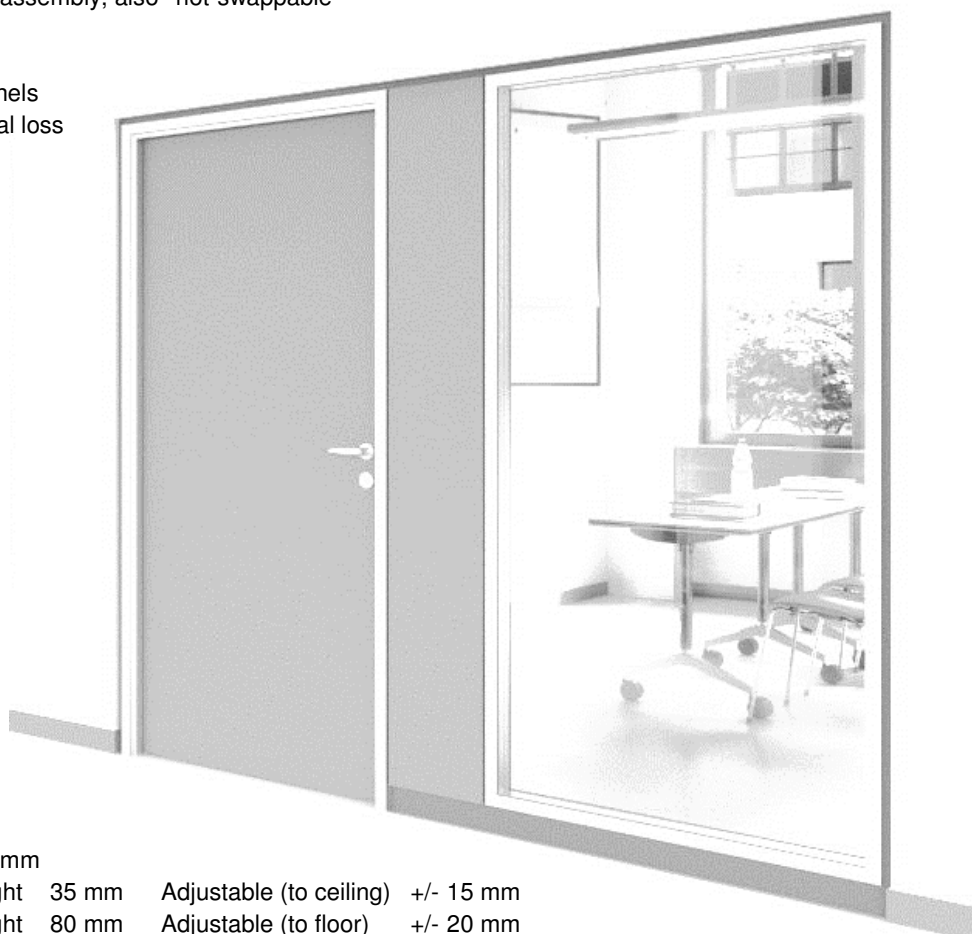
- Adjustable to match future room requirements
- Rapid dismantling and re-assembly, also “hot-swappable”

■ Cost-effective:

- Maintenance-free wall panels
- Reposition without material loss
- Rapid installation

■ Sustainability:

- Long product lifetime
- Product parts recyclable



Partition wall dimensions:

Wall thickness:	100 mm		
Ceiling connection joint:	Height	35 mm	Adjustable (to ceiling) +/- 15 mm
Floor connection joint:	Height	80 mm	Adjustable (to floor) +/- 20 mm
Wall connection, standard:	Width	24 mm	Adjustable (to wall) +/- 4 mm
Joints:	Width:	8 mm	

T34 EI30 system description

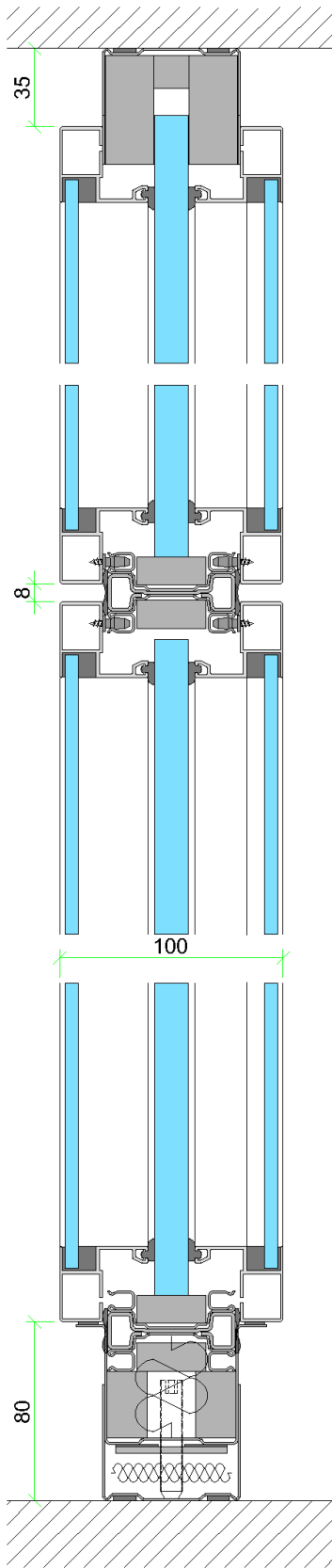
Design:	Non-load-bearing interior partition wall, joins to building structure with U-channels. Infill panels formed on substructure of steel sections. Aluminium glass frames secured using clip-mount screws. Frames are easily removed at any time. High degree of structural stability due to clamping in torsion-resistant uprights. Precise clip guides ensure clean joints. Superb sound insulation due to few points of contact with uprights.
Glazing:	Two panes of glass in separate, self-contained aluminium frames, with intermediate dry seal and with central fire safety pane. Interior blinds also available if laminated glass panes used. Front face of panel frame is a narrow 34 mm. The aluminium frames slot into the upright system on both sides and butt onto the fire safety pane in the centre via a seal.
Aluminium frame:	Extruded aluminium sections, EV1 anodised.
Glass:	Standard specifications 6 mm ESG from floor, 6 mm float glass from balustrade height. Depending on acoustic and technical requirements, glass panes up to 10 mm thick can be installed.
Connecting sections:	Steel, powder-coated fine structure in RAL 9011 Graphite black or RAL 9010, RAL 9006, other colours possible.
Subframe:	Zinc-plated steel.
Joint/seal:	Permanently-elastic dry seal surround, RAL 9011 Graphite black or RAL 7035 and RAL 9010. No attached or press-fitted edge strips or coverings.
Storage options:	Vertical – using spaced slots in steel uprights.
Special options:	Can be supplied combined with T10 F30/EI30 and T30/EI30 fire doors in aluminium frames matching our standard door frames. Double doors/doors with glass inserts also available. Visually complements T34 partition wall. With coloured or opaque glass panes, satinised/printed, with privacy filters or interior blinds.

System requirements:

Structural safety:	Structural survey (DIN 4103 Part 1) available on file.
Sound insulation index:	ISO 140-3 and ISO 717-1, $R_{w,p} = 40 - 46$ dB.
Material take-off:	approx. 85 kg/m ² (mean value) for standard 15 mm fire safety glass
Fire resistance class:	
<div> <div></div> Germany: </div>	DIBt permit no. Z-19.14-2091
<div> <div></div> Switzerland: </div>	in consultation

Other requirements on request.

All planning data (.dwg, tender texts) are available for download at <http://www.goldbachkirchner.de>.



Vertical cross-section
T34 EI30

T34 EI30 product features:

- Partition wall based on a steel skeleton frame, wall thickness 100 mm.
- Triple-glazed panes, flush front with narrow panel frame front, 34 mm and with central fire safety pane.
- Glazing provided as ESG 6 mm and fire safety glass 15 mm. For acoustic and technical requirements, glass panes up to 10 mm thick can be installed.
- Maximum dimensions, vertical layout without separation: height 3 m, with width up to 1.5 m.
- Maximum dimensions, horizontal layout without separation: height 1.5 m, with width up to 2.50 m.
- Corner construction checked variable between 90° and 180°.
- Glass frames are removable, e.g. for maintenance, additions, subsequent cable trunking, etc.
- Aluminium sections EV1 anodised as standard. Other anodised colours are available, plus powder-coated RAL and custom colours.
- Blinds sandwiched internally between panes, protected from damage and soiling. Vertical or horizontal orientation, manual or electrical operation.
- Foil bonded to the pane interior at the factory to protect it from damage.
- Switchable panes also deployable in front-facing glazing.
- Layout as segmented curved wall possible.
- Can be combined with any Goldbach Kirchner partition wall systems (while taking fire regulation requirements into account).
- PLUG & PLAY media base: electrical supply can be integrated into media base.
- Custom floor plan layout without fixed unit multiples or design limitations.
- Dismantle and reinstall without loss of material. Repositionable wall panels. Conversions also possible during normal business.
- Conversion of individual panels without removing neighbouring panels.
- 8 mm joints between panels.
- No attached or press-fitted edge strips or coverings.
- Concealed design for all component fixtures.
- Retractable (20 mm) connection to floor, ceiling and walls.
- Continuously adjustable telescoping connection without on-site modifications.
- Floor/ceiling height compensation to ± 20 mm.
- Sturdy, torsion-resistant uprights, surface zinc-coated.
- Steel connecting sections, RAL powder-coated, highly abrasion- and scratch-resistant.
- Matching door system T30/EI30, as single and double door, with/without glass insert. Aluminium door frame complements our T0 door systems.
- Vertical storage options available throughout, using concealed spaced slots.
- High level of prefabrication and fitter-friendly modules ensure rapid installation.
- Structural survey (DIN 4103 Part 1).
- Room heights to 4 m possible, and up to 4.50 m when combined with T10 F30/EI30 as a panel, with ceiling bulkhead up to 5.00 m.
- Connection to all relevant F30 walls (e.g. concrete, masonry, plasterboard walls, sheathed steel/wood stud walls)
- Sound insulation $R_{w,p} = 46$ dB.
- Following pre-sorting, recycling of all materials used is possible in the end-of-life phase.
- Existing T46 F30/EI30 installations can be converted to T34 F30/EI30 systems.