

Metal panel single stud frame one-sided wall covering fire protection EI30

The galvanized steel or stainless steel single stud frame with one-sided wall covering is mounted in various wall thicknesses as a non-load-bearing partition system. The fitting is carried out using individual panels in modular construction with a joint

width of approx. 6 mm. The construction of the partition system provides for the subsequent disassembly and reassembly of each individual panel in order to enable later installation work, changes to the inserts or repair work without any great effort.

Dimensions

Clear room height	max. 3000 mm
Panel width	max. 1250 mm
Prefabricated wall thickness	100 - 250 mm
Installation flexibility	80 - 210 mm
Joint width	approx. 6 mm
Panel height	to the suspended ceiling
Base plinth height	100 mm
fire protection	EI30 verified acc. to EN 1363-1

Wall covering

Wall panel	approx. 20 mm thick; consisting of 1 mm galvanized steel or stainless steel (Mat. no. 1.4301) with plasterboard glued to the rear; weight force without any additional traverses of up to 300 N/m ² (30 kg/m ²) according to EN 18283-01, 4.5
Surface (wall panel)	stainless steel (Mat. no. 1.4301); powder-coated according to RAL or NCS or white pre-coated 150µm similar to RAL 9016
Base plinth	1.5 mm galvanized sheet steel for raised PVC floor covering filling with 9.5 mm plasterboard
Ceiling edge angle	powder-coated extruded aluminium profile in white like RAL 9016
Joint profile	silicone profile

Special fittings, supplementary items

X-ray protection	0.5 - 2 mm lead inserts glued to the rear of the fire resistant plasterboard; lead inserts larger than 2 mm are inserted into the wall cavity with a separate supporting structure (detailed clarification on request)
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