

Wall panel metal



The surface of metal wall panels is microscopically flat and free of pores, resistant against living organisms and chemical substances as well as resistant against all general hospital detergents and disinfectants. Depending on requirements, the panels can be carried out in different materials and surfaces. The wall panels are installed on to the substructure in modular construction with 6 mm joints. This allows for a subsequent disassembly and reassembly of each individual panel in order

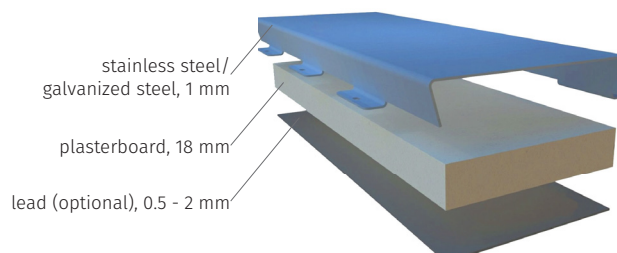
to enable later installation work, changes to the installations or repair work without any great effort. Therefore, OR down times are reduced. Fire, noise and x-ray protection can be achieved in combination with our wall system according to our customers' wishes. The 20 mm thick panels can be individually positioned, have a maximum panel height of 3.2 m as single pieces and have a maximum panel width of 1.25 m. The panel system is designed for the requirements of BSL-3 laboratories.

Dimensions

Panel width	max. 1250 mm
Panel height	max. 3200 mm
Panel thickness	approx. 20 mm

Structure

Wall covering	approx. 20 mm thick; consisting of 1 mm stainless steel or galvanized steel with fire resistant plasterboard glued to the back
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Technical data

Material (formwork)	stainless steel (Mat. no. 1.4301)	galvanized steel (Mat. no. 1.0350)
Material (core)	18 mm fire resistant plasterboard	18 mm fire resistant plasterboard
Console load according to EN 18283-01, 4.5	without additional traverses up to 300 Nm (30 kg/m ²)	without additional traverses up to 300 Nm (30 kg/m ²)
Surface		
standard	ground	white pre-coated 150µm similar to RAL 9016
optional	powder-coated according to colour chart RAL or NCS; antimicrobial additive	powder-coated according to colour chart RAL or NCS; antimicrobial additive

Special fittings, supplementary items

Lead insert	0.5 - 2 mm lead glued to the back of the fire resistant plasterboard	0.5 - 2 mm lead glued to the back 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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Wall covering - individually printed

Type	metal panel wall
Material	stainless steel (Mat. no. 1.4301) galvanised sheet steel
Coating	ground coating in white RAL 9016 other colours optional
Surface	smooth; non-porous
Printing method	digital printing
Protective layer	clear varnish
Panel thickness	1 mm

Properties

Digital printing	high-resolution images	high-resolution images; with white primer without paint coating	high-resolution images
Clear varnish	brilliant and scratch-resistant	brilliant and scratch-resistant	brilliant and scratch-resistant
Cleaning	resistant against cleaning agents and disinfectants	resistant against cleaning agents and disinfectants	resistant against cleaning agents and disinfectants