



Partition system Multiclean LVT

Description

Non-load-bearing solid partition system in lightweight construction that meets the wide variety of requirements upon architectural design and engineering.

This partition can be combinable with various glazings and can be upgraded by numerous accessories.

The partition system excels in high air tightness and is easy to clean and disinfect. GMP- and DIN EN ISO 14644 suitable design. The surface is even, flush, suitable for flush installation and does not contain any outgassing or particle emitting materials. The partition joints are optionally sealed with a clean room suitable sealant.

Field of application

- Pharmaceutical industry and medical engineering
- Electronics and semiconductor industry
- Microsystems-, precision mechanics- and optical industry
- Laboratories and research centers
- Surface treatment technology
- Data processing centers



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System description

Substructure	The substructure consists of galvanized or coated folded steel profiles.
Metal - panelling	<p>Shell construction with hook-on system</p> <ul style="list-style-type: none"> • Metal shell: 13 mm <ul style="list-style-type: none"> ○ Grinded and brushed stainless steel (duplo-grinding) ○ Grinded stainless steel ○ Coil-coating (duplex) Color: RAL 9010 ○ Powder coating acc. to RAL or NCS <p>Inlay and building material class</p> <p>Panelling system in composite with finished surface acc. to EN 13501</p> <ul style="list-style-type: none"> • plasterboard B-s1,d0 (B1) • plasterboard A2-s1,d0 (A2) • c-profiles A2-s1,d0 (A2) • aluminium honeycomb and rear shell A2-s1,d0 (A2)
Joints and connections	<p>The joints between the elements are sealed with cleanroom suitable material or with a clamping profile.</p> <p>Floor, ceiling and wall connections according to the requirements.</p>



Accessories

Racks and organisation systems	Integrated and fixed in the horizontal and vertical joints.
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Technical data

Partition thickness	100 mm (13 mm metal shell)
Axial grid	1200 mm (standard); min. 100 mm up to max. 1420 mm
Partition height	up to max. 5.000 mm (depending on installation area ¹⁾)
System weight	38 - 42 kg/m ² (room-high glazing)
Sound Insulation	up to 52 dB R _w acc. DIN EN ISO 140-3



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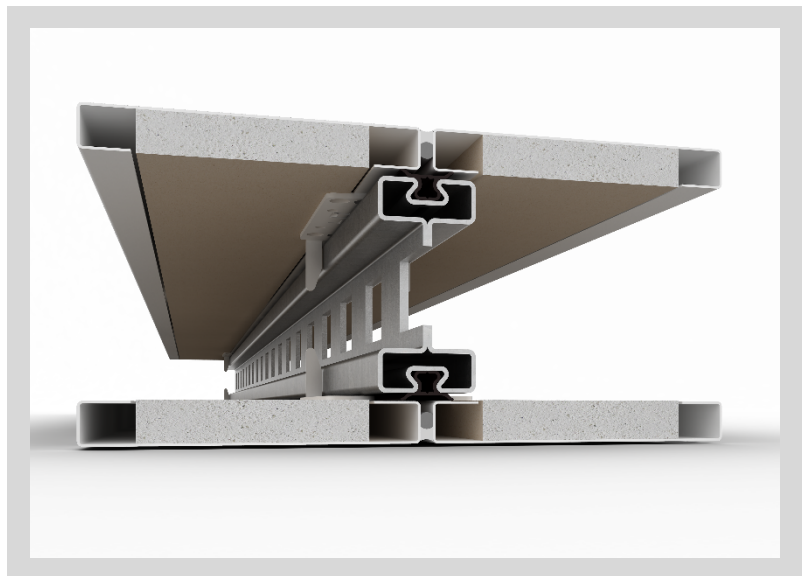
Fire Protection Classification	<ul style="list-style-type: none">• F0• F30 acc. to DIN 4102• EI30, EI60 acc. to EN 13501-2
Joint with	4 mm (standard)
Radiation Protection	Depending on the requirements, this partition system can be equipped to meet a lead equivalent value of 0,2 to 0,4. As an option, the lead equivalent value can be improved by taking specific measures.

¹⁾ Installation area according to statics (EB1 or EB2); non-bearing partition system acc. to DIN 4103

Customized solutions are available according to the requirements of the project.

Applicable standards

- **DIN 18202** Toleranzen im Hochbau – Bauwerke (building construction tolerances – buildings)



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