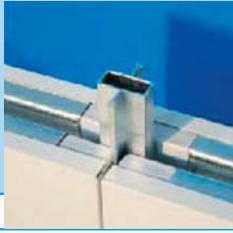


OWAtecta®



OWAtecta® cleanRoom

**L-Serie
Partition System
for sensitive areas**



OWA

OWAtecta® cleanRoom

L-Serie

Partition System for sensitive areas

Technical Data:

Product line:

OWAtecta® CleanRoom

Panel sizes (Width x Length):

900 x 3000 – 6000 mm
1200 x 3000 – 6000 mm

Thickness:

50 mm

Building material class:

B-s2,d0 (EN 13501-1)

Fire resistance:

on request

Core materials filled in panel:

Paper or Aluminium Honeycomb,
Mineral wool, Expanded Polystyrene (XPS)

Sheet Steel surface treatment:

Enamelled Paint (Standard close to RAL 9002)
Antistatic Steel
Surface color can be customized to clients' demand

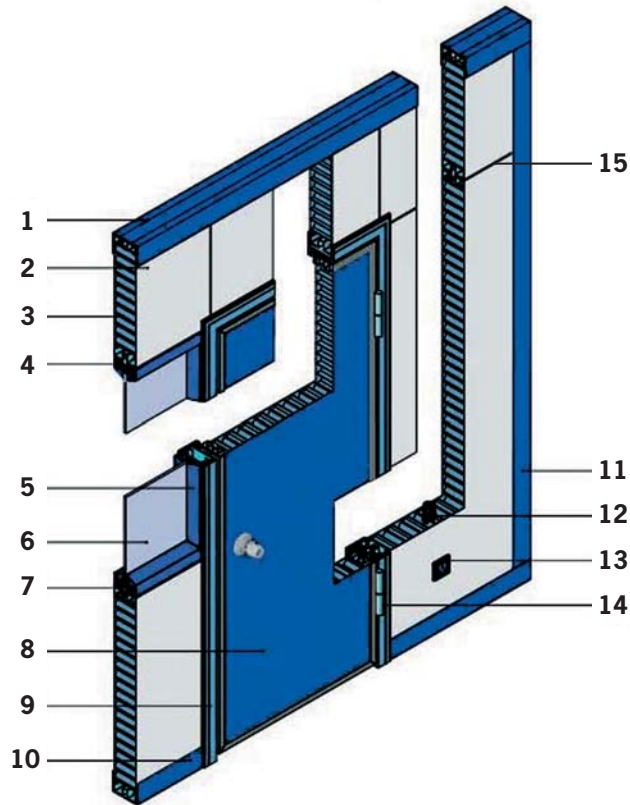
Use:

Electronic and precision industries
Hygiene and clean areas
Pharmaceutical and foodstuff industries

L-Serie:

A modular, demountable metal partition system. The partition thickness is 50 mm. Its surface material is sheet steel with an enamelled paint finish, filled with a core, which can be varied to meet the requirements of different industries. A variety of combinations of the standard modules can be used to achieve practical and artistic finishes for industrial and commercial use. All system inherent joints are prepared to be sealed with silicone according to the requirements of different cleanroom areas.

This brochure solely gives a summary of technical characteristics of the partition system. Requirements according to cleanroom types and classes as well as fire resistance etc. must be predetermined by the executive specialist consultant cleanrooms.



- 1 U Type Head track
- 2 Panel
- 3 Core material
- 4 Central aluminium
- 5 Window frame (50 mm)
- 6 Single Glass
- 7 Window frame fixing
- 8 Door
- 9 Door frame (50 mm)
- 10 Floor track
- 11 Edging
- 12 Wires and pipes
- 13 Electrical outlet
- 14 5-inch hinge
- 15 Elastic joint seal as joint filler between panels (on building site)

The OWAtecta® cleanRoom partition systems can also be combined with the OWAtecta® cleanRoom ceiling systems. Information are provided in the brochure OWAtecta® cleanRoom – Ceiling systems for sensitive areas.



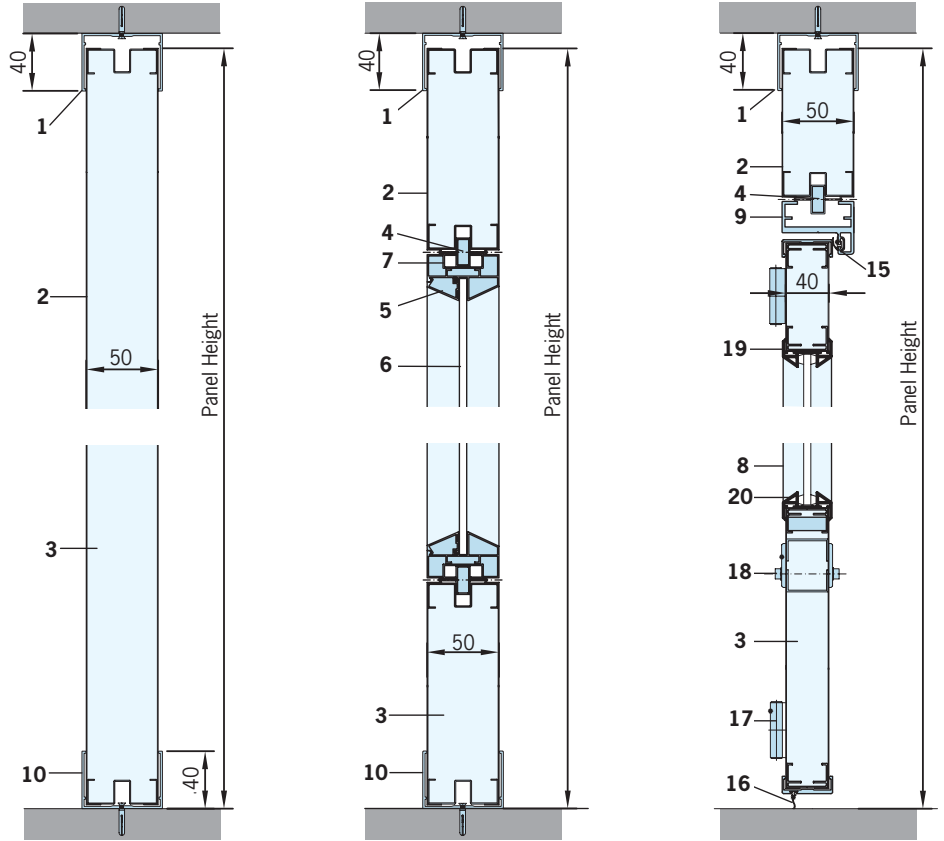


L-Serie Partition System for sensitive areas



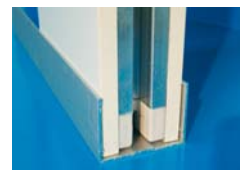
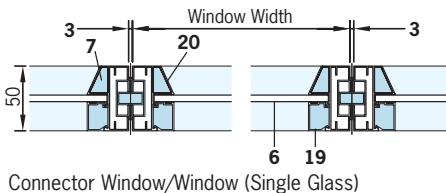
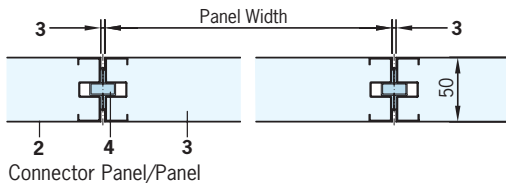
Longitudinal sections:

Design with single glass and standard-squared tracks



- 1 U Type Head track
- 2 Panel
- 3 Core material
- 4 Central aluminium
- 5 Window frame (50 mm)
- 6 Single Glass
- 7 Window frame fixing
- 8 Door with window
- 9 Door frame (50 mm)
- 10 Floor track
- 15 Cushion
- 16 Door Leaf Cushion
- 17 Hinge
- 18 Lock
- 19 Window Frame (40 mm)
- 20 Window Frame Slat (40 mm)

Horizontal Sections



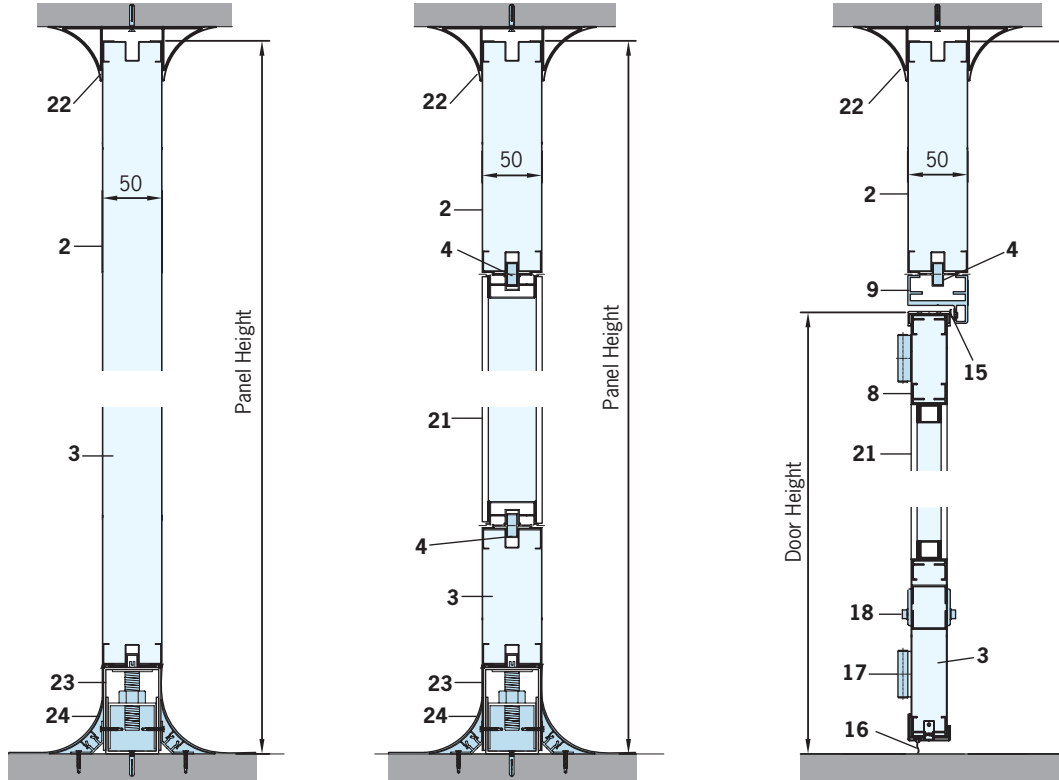
OWAtecta® cleanRoom

L-Serie

Partition System for sensitive areas

Longitudinal sections:

Design with double glass and covered tracks

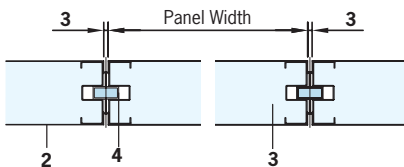


- 2 Panel
- 3 Core material
- 4 Central aluminium
- 7 Window frame fixing
- 8 Door with window
- 9 Door frame (50 mm)

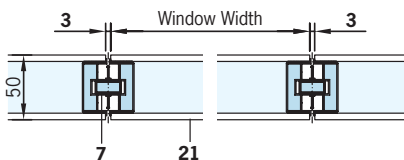
- 15 Cushion
- 16 Door Leaf Cushion
- 17 Hinge
- 18 Lock

- 21 Double Glass
- 22 Integrated coving Head Track
- 23 Adjustable Floor Track
- 24 Parted coving Floor Track

Horizontal Sections



Connector Panel/Panel



Connector Window/Window (Double Glass)



Cross central aluminium

OWAtecta®



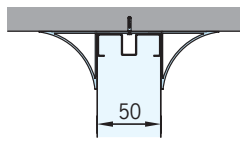
OWAtecta® cleanRoom

L-Serie Partition System for sensitive areas

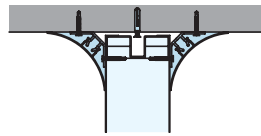


Head and Floor Track Joints

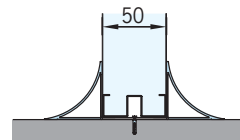
In addition to the standard-squared Head and Floor Tracks there are alternative joints according to the requirements of cleanroom areas applicable. Using covered floor tracks the PVC-flooring can be flushed with the panel.



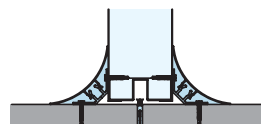
Coving integrated Head Track



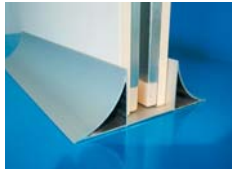
Parted coving Head Track



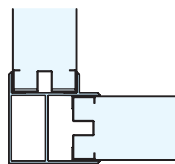
Coving integrated Floor Track



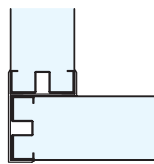
Parted coving Floor Track



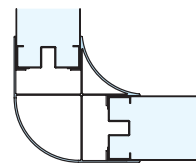
Corner Joints



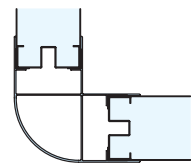
Right angle corner



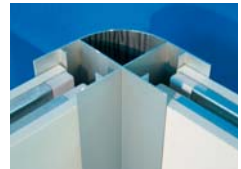
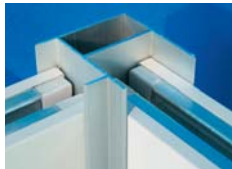
U type corner



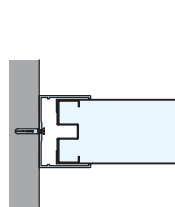
Double coving corner



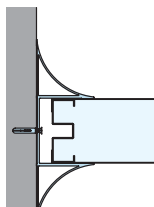
Single coving corner



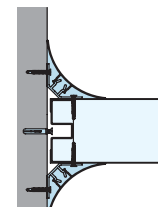
Edging Joints



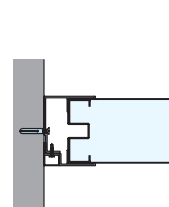
U type edging



Coving integrated edging



Parted coving edging



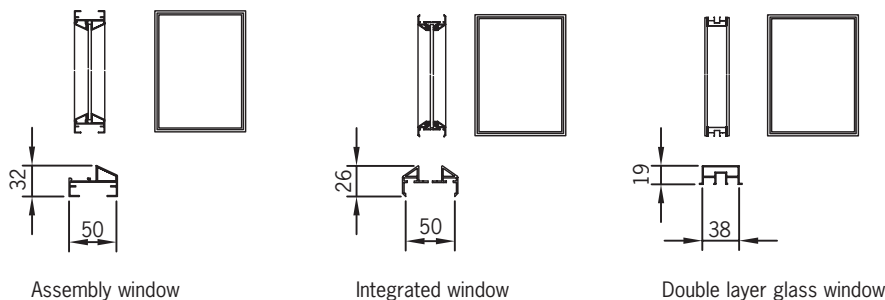
Adjustable edging



L-Serie Partition System for sensitive areas

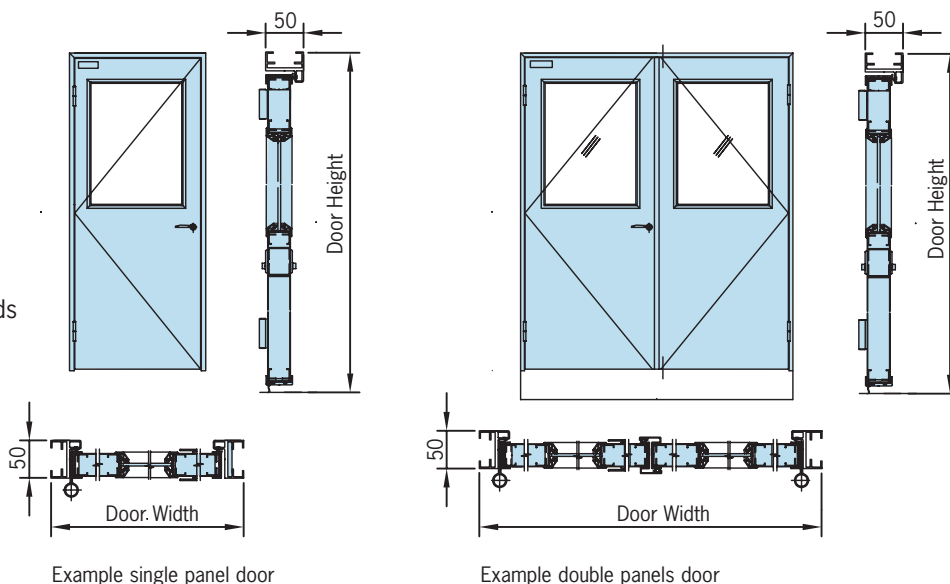
Window Pattern

L-Serie uses two different window types: window with single glass and with double layer glass. The size of windows can vary according to particular demand of each project. Which type is to be used depends on the requirements of different cleanroom areas.



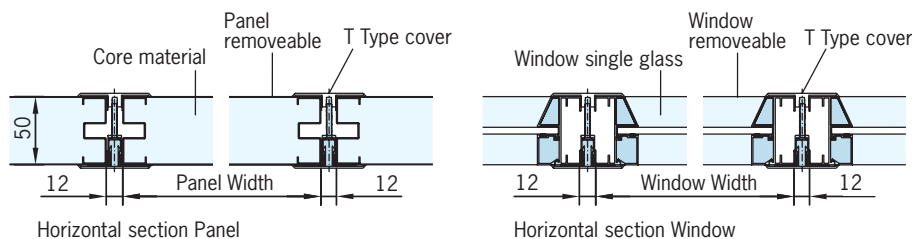
Door Pattern

L-Serie uses different door types: Single panel door, unsymmetric door, double panels door and slide door (automatic single and double door). Windows as well as air return modules can be integrated in all door types. The size of doors can vary according to particular demand of each project. Which type of door is to be used depends on the requirements of different cleanroom areas.



Access Panell

In case of access panels are required in partition wall a T Type Cover connector instead of central aluminium is to be used. The gap between the panel is 12 mm covered by the T Type cover connector. Using this connector it is possible to remove all partition panels which are located between the connectors.



Guarantee and liability

All system relevant data and statements correspond to the current technology. They assume the exclusive application of OWA products and system components, the interdependent behaviour of which is confirmed by internal and external testing. When they are used in combination with non OWA products and system components, any warranties or guarantees are invalidated and liability will not be accepted. OWA reserves the right to make any technical alterations to improve either product or system development. **All goods are supplied in accordance with our general sale and delivery terms.**