cat. no. 102.08

FORCLEAN®
Clean Room Elements

Partition panels and their accessories

X-RAY PARTITION PANELS

The X-ray partition panel is the main element to construct clean workplaces and areas with protection against X-radiation.

It does not visually differ from standard partition panels. The panels are connected to each other by means of a slide-on connection; a shielding connecting lead insert is inserted in the panel joint which, providing for a perfect overlap of panel joints with the shielded element.

The thickness of the lead shielding insert is always determined by the designer, based on radiation optimisation and radiation limits according to the implementing regulation on radiation protection, in accordance with applicable regulations in each country.

MORE INFORMATION, PHOTOS

TECHNICAL DATA

Panel type
Partition panels RTB

Thickness of shielding lead insert
1 mm
1.5 mm
2 mm
3 mm

Panel thickness
100 mm
120 mm
60 mm
80 mm

Panel width W	
width	**value**
500 mm	thickness of lead insert 1; 1.5; 2 and 3
700 mm	thickness of lead insert 1; 1.5 and 2
900 mm	thickness of lead insert 1 and 1.5
For S2 1 and 1.5: W - width in mm according to dimensional range Preferred dimensions: - max 900 mm For S2 2: W - width in mm according to dimensional range Preferred dimensions: - max. 700 mm. For S2 3: W - width in mm according to dimensional range Preferred dimensions:- max. 500 mmFor a shielding insert with a thickness of 2 and 3 mm, the maximum width is 800 mm. It is possible to order atypical panel dimensions: min. dimension 300 mm, max. dimension 1190 mm. W - width in mm according to dimensional range 500, 700 and 900 mm.	

Panel height H
2550 mm
2750 mm
3050 mm
H - height in mm according to dimensional range. Preferred dimensions 2550, 2750, 3050 mm, min. dimension 300 mm, max. dimension 4000 mm.

Side end
groove - tongue
tongue - tongue
groove - straight
straight - straight
visible HVAC - visible HVAC
visible - tongue
visible - groove
visible HVAC - groove
groove - visible HVAC
inclined 45° - inclined 45°
groove - groove
straight - tongue
visible HVAC - tongue
tongue - visible HVAC
visible-groove (max. dimension 1150 mm)

Bottom end
basic (tongue)
clasic (straight)
atypical
shielded basic (tongue)

Upper end
basic (tongue)
basic with reinforcement (tongue) - below windows, above windows
clasic (straight)
no upper bend (high panels)
atypical

Side reinforcement
simple reinforcement
no side reinforcement
right reinforcement, left reinforcement
reinforced reinforcement
It is necessary to keep the orientation according to the diagram of the side ends.

Number of cable glands
cable gland not recommended
2 pcs (1 pc 85 mm from the left - 1 pc 85 mm from the right)
cable glands from the right, cable glands from the left
Example of designation in the case of multiple cable glands: Orientation and number of cable glands are specified. The first cable gland is 85 mm from the edge. Other cable glands are located 100 mm apart from each other as standard.3;2 – Total of 5 pcs, 3 from the left side+2 from the right side.For atypical designs, it is necessary to specify A-atypical orientation, number. The dimension must be specified in the notes.

Filler
mineral wool
atypical

Facing hue and material - standard on the visible side
galvanized metal sheet, hue RAL 9002
galvanized metal sheet, hue RAL 9016
Stainless steel AISI 304
powder coating (Komaxit), hue RAL

Facing hue and material - standard on the rear side
galvanized metal sheet, hue RAL 9002
galvanized metal sheet, hue RAL 9016
Stainless steel AISI 304
Powder coating (Komaxit), hue RAL
Attention: It is necessary to always observe the orientation specified in the diagram of the side end S5.

Atypical design
Type design
Atypical design
Type design 0 - Unique specification out of offered versions Atypical design Q - atypical design that cannot be uniquely specified by a code