



Glazing Multiclean CLVT 437

Description

The cleanroom glazing element consists of two aluminium frames and glass panels glued onto the frames. The glass panels are flush with the aluminium frame – only the bonding of the glass panels along the system studs is visible. The glass panels are hooked into the system studs.

This glazing system can be combined with the partition system Multiclean CLVT.

The glazing 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.

System description

Substructure	Consisting of folded or roll formed steel profiles, galvanized or varnished
Glazing element	Substructure consisting of two aluminium frames with one glass panel glued onto each frame. Flush design with 35 mm visible bonding along the edges or optionally 55 mm at the top. Both frames are hooked into the stud construction. Standard glass thickness is 6 mm toughened safety glass.
Design options	<ul style="list-style-type: none"> • room-high glazing • balustrade glazing • overhead light glazing • available with venetian blinds and roller blinds
Joints and connections	The joints between the elements are sealed with cleanroom suitable material or with a clamping profile. Connection to floor, ceiling and walls according to the requirements.



Technical data

Element thickness (partition thickness)	100 mm
Standard with dimension (axial dimension) ²⁾	1200 mm (standard)
Glazing height	up to max. 3.500 mm (divided into two elements) ¹⁾ up to max. 3.000 mm (consisting of one element) ¹⁾
Weight	40 - 55 kg/m ² (room-high glazing)
Sound Insulation	Rw up to 46 dB acc. DIN EN ISO 140-3 (depending on design)
Fire protection classification	F0
Width of joints between elements	4 mm (standard)
Glass Thickness / Quality	6 mm or 8 mm ESG ²⁾ ; 8 mm VSG ³⁾
Bonding	<u>Type:</u> structural glazing (Following ETAG 002) <u>Material:</u> Two-component silicon <u>Colour:</u> white. Options: light grey and black <u>Temperature resistance:</u> -50° C up to +150° C

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

²⁾ ESG toughened safety glass

³⁾ VSG laminated safety glass

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

Applicable standards

- **DIN 18202** Toleranzen im Hochbau – Bauwerke
(building construction tolerances – buildings)
- **DIN 1249** Flachglas im Bauwesen; Glaskanten; Begriff, Kantenformen und Ausführungen
(flat glass in building industry; edge of glass pane; term, edge shape and finish)
- **DIN EN ISO 12543** Glas im Bauwesen - Verbundglas und Verbund-sicherheitsglas
(glass in building industry – laminated glass and laminated safety glass)

