



Glazing Multiclean LVT 439

## Description

Cleanroom glazing elements consisting of aluminium frames clipped together and glass panes glued on. By fixing the glass panes using bonding technology there is a visible all-round frame (width approx. 34 mm). The elements and system stud are screwed together.

The standard material for the glazing is toughened safety glass (ESG) thickness 6 mm or 8 mm or laminated safety glass (VSG) thickness 8 mm.

The glazing can be carried out as room-high version, balustrade glazing or overhead light glazing. The Lindner glazing Multiclean LVT 439 can be combined with the solid partition system Multiclean LVT.

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.

## 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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**LINDNER SE | CLEAN ROOMS**

Bahnhofstraße 29 | 94424 Arnstorf | Germany | Tel. +49 (0)8723 20-3671 | [Reinraumtechnik@Lindner-Group.com](mailto:Reinraumtechnik@Lindner-Group.com) | [www.Lindner-Group.com](http://www.Lindner-Group.com)

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## System description

<b>Substructure</b>	Consisting of folded or roll formed steel profiles, galvanized or varnished
<b>Glazing element</b>	<p>Consisting of two aluminium frames with glass panes glued on. Flush design with visible width of the bonding surface 34 mm all-round.</p> <p>The frames are screwed to the system stud on one side – the second frame is clipped on from the other side.</p> <ul style="list-style-type: none"> <li>• standard glazing is made of 6 mm ESG</li> </ul>
<b>Design options</b>	<ul style="list-style-type: none"> <li>• room-high glazing</li> <li>• balustrade glazing</li> <li>• overhead light glazing</li> <li>• available with venetian blinds and roller blinds</li> </ul>
<b>Joints and connections</b>	<p>The joints between the elements are sealed with cleanroom suitable material or with a clamping profile.</p> <p>Connection to floor, ceiling and walls according to the requirements.</p>



## Technical data

<b>Element thickness (partition thickness)</b>	100 mm
<b>Standard with dimension (axial dimension) <sup>2)</sup></b>	1200 mm (standard); <sup>1)</sup>
<b>Glazing height</b>	up to max. 3.500 mm (undivided up to 3000 mm) <sup>1)</sup>
<b>Weight</b>	35 - 40 kg/m <sup>2</sup> (room-high glazing)
<b>Sound Insulation</b>	up to 41 dB R <sub>w,P</sub> acc. DIN EN ISO 140-3 (room-high glazing)
<b>Fire Protection Classification</b>	F0
<b>Width of joints between elements</b>	4 mm (standard)
<b>Glass Thickness / Quality</b>	6 mm or 8 mm ESG <sup>2)</sup> , 8 mm VSG <sup>3)</sup> available as option
<b>Bonding</b>	<p><u>Type:</u> Following ETAG 002 – structural glazing</p> <p><u>Material:</u> Two-component silicon</p> <p><u>Colour:</u> Similar to light grey, white, black</p> <p><u>Temperature resistance:</u> -50° C up to +150° C</p>
<b>Radiation Protection</b>	Depending on the requirements and design, the Lindner glazing Muticlean LVT 439 is also available with radiation protection.

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

<sup>2)</sup> ESG toughened safety glass

<sup>3)</sup> VSG laminated safety glass



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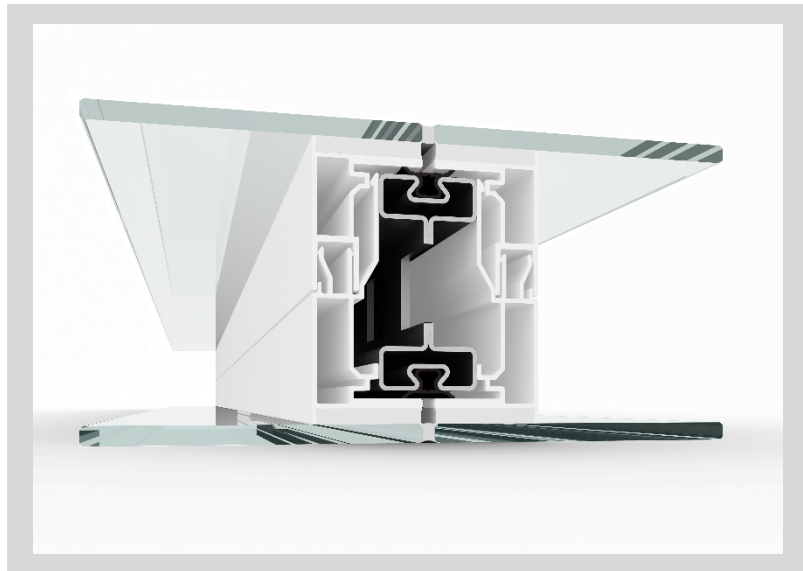
Bahnhofstraße 29 | 94424 Arnstorf | Germany | Tel. +49 (0)8723 20-3671 | [Reinraumtechnik@Lindner-Group.com](mailto:Reinraumtechnik@Lindner-Group.com) | [www.Lindner-Group.com](http://www.Lindner-Group.com)

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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)



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