



Lindner Plus Ventilation Panels - Type U

Ventilation Panels

The Lindner Plus Ventilation Panels are made of galvanised sheet steel with glued-in sound-absorbing foam. The inconspicuous integration of the inlet and outlet openings into the system joint means that they are concealed and therefore barely visible. The outlet and inlet are at the same height. The range includes specific types for different requirements: The U 57-51 and U 57-48 models are optimally designed for walls with a thickness of 100 mm, while the U 82-54 model has been specially developed for walls with a thickness of 125 mm and the highest sound insulation requirements.

- invisible integration into the system's interspaces
- tested elements in Lindner system partitions for every project requirement

Examples for areas of application

Work: Common Rooms, Facilities for Meetings, Conventions and Conferences, Office Buildings, Broadcasting Rooms, Television Studios, Utility Rooms, Assembly Rooms

Businesses, Recreation and Culture: Banks, Shopping Centres, Cinemas and Multiplex Theatres, Concert Halls, Theatres and Opera Houses, Museums and Galleries, Places of Assembly, Sales Areas

Education: Libraries, Universities and Higher Education Buildings, Schools, Research Rooms

Transport: Airports

Healthcare: Clinics and Hospitals

Hotels and Gastronomy: Restaurants and Catering Facilities, Hotels and Resorts

Public Areas: Entrance Areas

Public Institutions: Courts and Correctional Facilities, Town Halls, Government and Administrative Buildings

Residential building



Technical details

Technical Details

Design option	Vertical installation situation Horizontal installation situation Concealed diffuser
Substructure	Steel stud, constructed from folded or rolled steel sheet profiles galvanised
Flow Rate	Type U-48: 88 m ³ /h per running metre Type U-51: 63 m ³ /h per running metre Type U 82-54: 59 m ³ /h per running metre at 10 Pa pressure difference
Weight	8 - 20 kg/m

Dimensions

Dimensions

Joint width	6 mm (optional 8 mm)
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Element height	Type U-48: Standard 207 mm Type U-51: Standard 502 mm Type U 82-54: Standard 300 mm
Element width	Standard up to 2900 mm
Element depth	55/66/80 mm (depending on the thickness of the substructure)
Wall thickness	100 mm 125 mm

Element height/ Element width: The height and width of the element is independent of the type of the installation (horizontal or vertical installation)

Acoustics

Building acoustics

Evaluated Noise Level Difference	ISO 717-1	$D_{n,e,w}$	Type U-48: 48 dB, Type U-51: 51 dB, Type U 82-54: 54 dB
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Depending on substructure strength. Based on the test result of the substructure 57mm! A reduction of approx. 1-2 dB can be expected!

Surfaces

Surfaces


Wall shell	Partition Surface COLOURline - Powder Coating Partition Surface ANOXline - Anodized Partition Surface VENEERline - Veneer Partition Surface GRAPHICline - Digital Print Partition Surface MOODline - Powder Coating Deep Matt
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Sustainability

Declarations

Product Self-Declaration	A self-declaration in accordance with ISO 14021 is available. This contains extensive environmental information for planning, tenders and building certifications (LEED, DGNB, EU taxonomy).
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Evidence

Green Level Certificate	<div style="background-color: #4CAF50; color: white; padding: 5px; display: inline-block; border-radius: 10px;"> High  </div> <p>Circularity: Some of the components can be reused/refurbished</p> <p>Life Cycle Assessment: Life Cycle Assessment according to DIN 14067 (Product Carbon Footprint) on request</p> <p>Cradle to Cradle Certified®: no C2C Certified® label available</p>
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Combinable Systems

Combinable Systems

Partitions

Lindner Logic 100 Timber - Timber partition
Lindner Logic 100 Metal - Metal partition
Lindner Logic 100 Metal-Acoustic - Metal partition with
sound absorbing surface
Lindner Logic 100 Timber-Acoustic - Timber partition with
sound absorbing surface