RhinoAlutec®
Aluminum Perforated Panel



ALP 1000/1250/1500
Aluminum Perforated Panel

RhinoAlutec® aluminum perforated panel has the same lattice structure design of solid panel, the top of the panel is laminated with anti-static HPL or conductive vinyl, this perforated panel with 1,080 chamfered holes and nominal air open ratios from 17% - 25% are designed to meet specific air flow requirements for both data centers and clean rooms.

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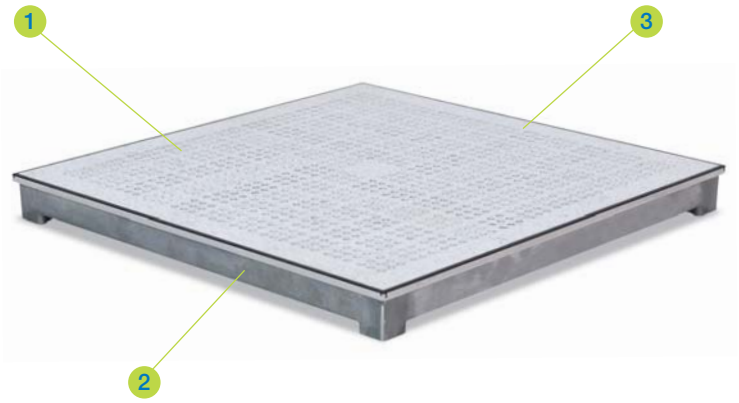
Product Ranges

RhinoAlutec® Perforated

Panel



1 Airflow Rates

Rates: 17% - 25%

2 Aluminum Perforated Panel

Size: 600x600mm
Thickness: 50/55mm
Material: Aluminum Alloy

3 Top Layer

Thickness: Various
Material: HPL/ESD vinyl (PVC)

Description

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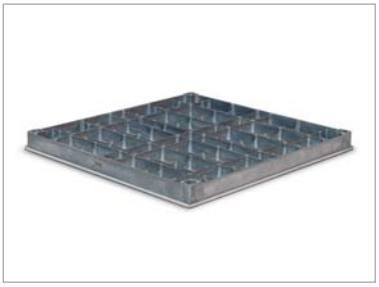
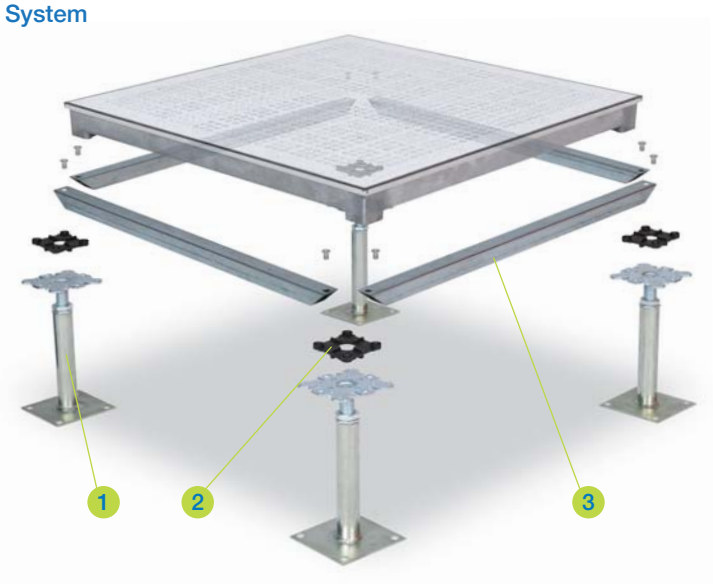
Features

- Anti-corrosion and anti-magnetic
- Impressive acoustic performance
- Superb underfoot comfort
- Light weight and high load capacity
- Wide range of covering options
- 17% - 25% airflow rates



Panel Type	Panel Size	Core Material	Panel Construction	Panel Thickness (Nominal)	System Weight (Typical)
ALP 1000	600mm square	Aluminum Alloy	Precision-machined with perforated and various finish on top	50/55 mm	31.07 Kg/m²
ALP 1250	600mm square	Aluminum Alloy	Precision-machined with perforated and various finish on top	50/55 mm	33.85 Kg/m²
ALP 1500	600mm square	Aluminum Alloy	Precision-machined with perforated and various finish on top	50/55 mm	36.63 Kg/m²

System



1 Standard Pedestal
Hot-dip galvanized steel made pedestal is suitable for raised floors with a finished floor height from100mm to 600mm.
Material: Steel, Hot-dip galvanized.

2 Head Gasket
Plastic conductive material with sound proofing and sealing functions, equipped with tabs for the positioning of panels.
Thickness: 3.5 mm

3 Stringer
Steel tube performed stringer provide best supports to the structural system with limited air leakage and outstanding acoustic performance.
Dimension: 543mm x 25mm x 25mm
Thickness: 0.8/1.0/1.2mm

Pedestal

1 Head Assembly
Head plate: 90mm × 90mm × 3.0mm
Threaded rod: M18

2 Base Assembly
Base tube: Ø25mm × 2.5mm
Base Plate: 100mm × 100mm × 2.5mm

3 FFH (Finished Floor Height)
100mm to 600mm

4 Adjusting Range
+/- 30mm

Performance

- This rigid grid system is tested in accordance with PSA MOB PS/SPU specification.
- Panel deflection at centre edge must not exceed 2.5mm
- Performance to a safety factor of 3 x static load
- Structural performance based upon a full Rhino access floors system i.e. panels & pedestals.

Panel Type	Panel Grade	Concentrated Load		Uniformly Distribution Load	Ultmiate Load
		Point Load	Load Over		
		25mm × 25mm square	300mm × 300mm square		
ALP 1000	Heavy Duty	4.50 kN	N/A	12.00 kN/m²	13.50 kN
ALP 1250	Extra Heavy Duty	5.56 kN	N/A	14.83 kN/m²	16.68 kN
ALP 1500	Industrial Duty	6.67 kN	N/A	17.80 kN/m²	20.01 kN

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