

ALG 1000/1250/1500 Aluminum Grating Panel (50% Airflow)

RhinoAlutec® aluminum grating panel (50% airflow) is an ideal solution for cooling, this panel is specifically designed with no underside obstructions to provide optimum laminar air flow. It has been widely used in data centers and server rooms.

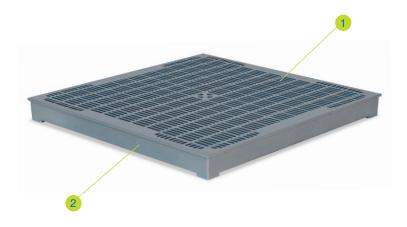


Technical Data Sheet

RhinoAlutec® Grating



Panel





2 Aluminum Grating Panel Size: 600 × 600mm

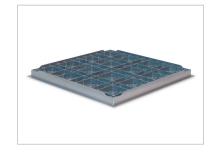
Thickness: 50/55mm Material: Aluminum Alloy

Description

RhinoAlutec® aluminum grating panel (50% airflow) is an ideal solution for cooling, this panel is specifically designed with no underside obstructions to provide optimum laminar air flow. It has been widely used in data centers and server rooms.

Features

- Non-toxic and non-combustible
- Anti-corrosion and anti-magnetic
- Superb underfoot comfort
- Light weight and high load capacity
- 50% airflow rates
- Adaptable for both EU and Roc system



Panel Type	Panel Size	Core Material	Panel Construction	Panel Thickness (Nominal)	System Weight (Typical)
ALG 1000	600mm square	Aluminum Alloy	Aluminum Die-casted	50/55 mm	33.85 Kg/m²
ALG 1250	600mm square	Aluminum Alloy	Aluminum Die-casted	50/55 mm	36.63 Kg/m²
ALG 1500	600mm square	Aluminum Alloy	Aluminum Die-casted	50/55 mm	39.41 Kg/m²

Technical Data Sheet

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System



1 Head Assembly

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

2 Adjusting Nut M18

3 Base Tube Ø25mm × 2.5mm

Base Plate 100mm × 100mm × 2.5mm

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Standa rd Pedestal

Hot-dip galvanized steel made pedestal is suitable for raised floors with a finished floor height from 150mm to 1800mm.

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 × 25mm × 25mm Thickness: 0.8/1.0/1.2mm

Performance

Pedestal

- 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			
			Point Load	Load Over	Uniformly Distribution Load	Ultmiate Load
			25mm × 25mm square	300mm × 300mm square		
	ALG 1000	Heavy Duty	4.50 kN	5.56 kN	12.00 kN/m²	13.50 kN
	ALG 1250	Extra Heavy Duty	5.56 kN	6.67 kN	16.00 kN/m²	16.68 kN
	ALG 1500	Industrial Duty	6.67 kN	8.90 kN	20.00 kN/m²	20.01 kN



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