



RhinoAlutec®
Aluminum Grating Panel



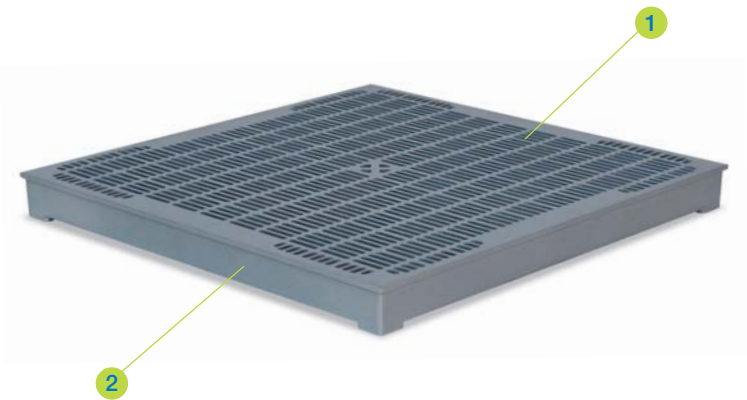
ALG 1000/1250/1500

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.

RHINO®
Strive for perfection!

Panel



1 **Airflow Rates**

Rates: 50%

2 **Aluminum Grating Panel**

Size: 600 × 600mm

Thickness: 50/55mm

Material: Aluminum Alloy

Description

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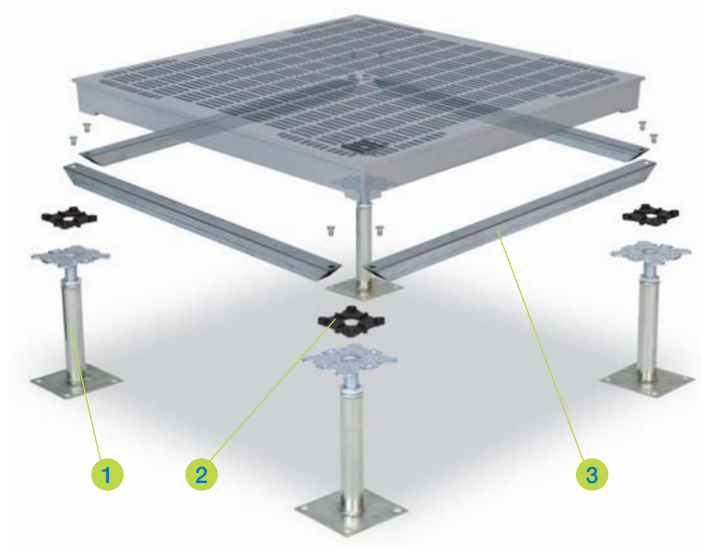
Features

- Non-toxic and non-combustible
- Anti-corrosion and anti-magnetic
- Superb underfoot comfort
- Light weight and high load capacity
- 55% 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

System



1 Standard 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 x 25mm x 25mm
Thickness: 0.8/1.0/1.2mm

Pedestal



1 Head Assembly

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

2 Base Assembly

Base tube: Ø25mm x 2.5mm
Base Plate: 100mm x 100mm x 2.5mm

3 FFH (Finished Floor Height)

150mm to 1800mm

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	Ultimate Load
		Point Load	Load Over		
		25mm x 25mm square	300mm x 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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