



RhinoAlutec®
Aluminum Grating Panel



ALG 1000/1250/1500

Aluminum Grating Panel (50% Airflow)

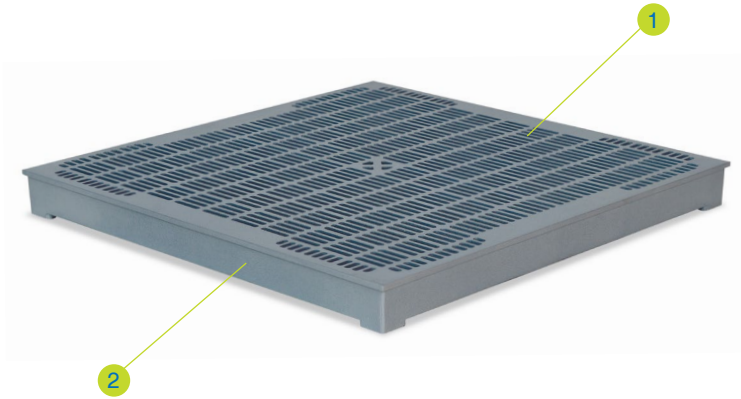
RhinoAlutec® aluminum grating panel (50% airflow) is an ideal solution for cooling, this panel is specifically designed with no underside obstructions to provide optimum laminar air flow. It has been widely used in data centers and server rooms.

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Strive for perfection!

Technical Data Sheet

RhinoAlutec® Grating

Panel



1 Airflow Rates

Rates: 50%

2 Aluminum Grating Panel

Size: 600 × 600mm

Thickness: 50/55mm

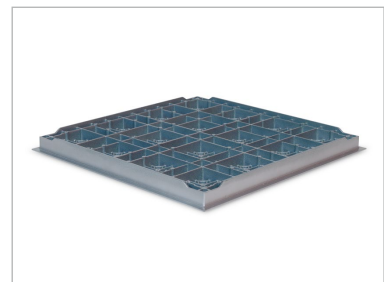
Material: Aluminum Alloy

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

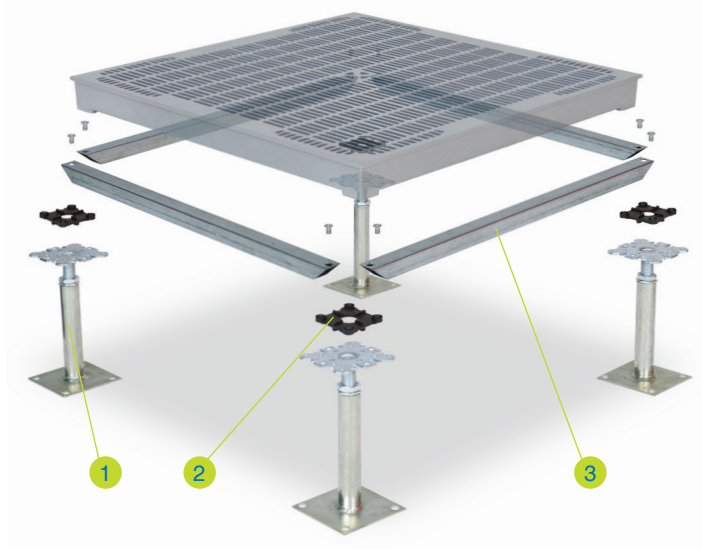


Panel Type	Panel Size	Core Material	Panel Construction	Panel Thickness (Nominal)	System Weight (Typical)
ALG 1000	600mm square	Aluminum Alloy	Aluminum Die-casted	50/55 mm	33.85 Kg/m ²
ALG 1250	600mm square	Aluminum Alloy	Aluminum Die-casted	50/55 mm	36.63 Kg/m ²
ALG 1500	600mm square	Aluminum Alloy	Aluminum Die-casted	50/55 mm	39.41 Kg/m ²

Technical Data Sheet

RhinoAlutec® Grating

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

Pedestal



- 1 Head Assembly**
Head plate: 90mm × 90mm × 3.0mm
Threaded rod: M18
- 2 Adjusting Nut**
M18
- 3 Base Tube**
Ø25mm × 2.5mm
- 4 Base Plate**
100mm × 100mm × 2.5mm

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 × 25mm square	300mm × 300mm square		
ALG 1000	Heavy Duty	4.50 kN	5.56 kN	12.00 kN/m ²	13.50 kN
ALG 1250	Extra Heavy Duty	5.56 kN	6.67 kN	16.00 kN/m ²	16.68 kN
ALG 1500	Industrial Duty	6.67 kN	8.90 kN	20.00 kN/m ²	20.01 kN

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Corporate Headquarters

111 S.K.V. Building, 4th Floor
Soi Sansabai, Klongton
Klongtoey, Bangkok 10110
Thailand

T/ (662) 661 2990

F/ (662) 661 2991

China Office

593, Tongjiang Road
Jintian Plaza 828-830
Changzhou 213022
Jiangsu, China

T/ (86) 519 8988 3171

F/ (86) 519 8988 3901

Hong Kong Office

Unit 908, 9/F, LT Tower
31 Chong Yip Street
Kwun Tong, Kowloon
Hong Kong

T/ (852) 2865 6816

F/ (852) 2865 6813

Production Unit

Hengshanqiao
Wujin District
Changzhou 213119
Jiangsu, China

T/ (86) 519 8860 7959

F/ (86) 519 8860 5659

www.RhinoAccessFloors.com