



RhinoAlutec®  
Aluminum Grating Panel



# ALG 1000/1250/1500

Aluminum Grating Panel (50% Airflow)

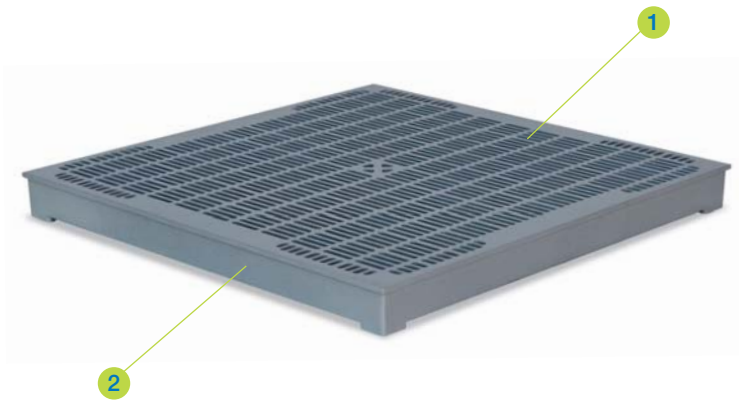
RhinoAlutec® aluminum grating panel (50% airflow) is an ideal solution for cooling, this panel is specifically designed with no underside obstructions to provide optimum laminar air flow. It has been widely used in data centers and server rooms.

**RHINO**®  
*Strive for perfection!*

# Product Ranges

RhinoAlutec® Grating

## Panel



### 1 Airflow Rates

Rates: 50%

### 2 Aluminum Grating Panel

Size: 600 × 600mm

Thickness: 50/55mm

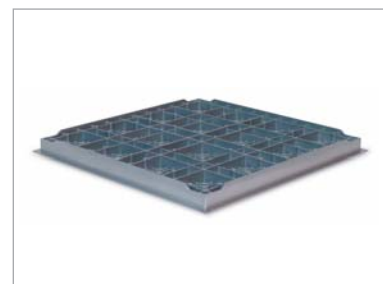
Material: Aluminum Alloy

## 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
- 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/m <sup>2</sup>
ALG 1250	600mm square	Aluminum Alloy	Aluminum Die-casted	50/55 mm	36.63 Kg/m <sup>2</sup>
ALG 1500	600mm square	Aluminum Alloy	Aluminum Die-casted	50/55 mm	39.41 Kg/m <sup>2</sup>

### System



- 1 Standard Pedestal**  
Hot-dip galvanized steel made pedestal is suitable for raised floors with a finished floor height from 100mm 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 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)**  
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	Ultimate Load
		Point Load	Load Over		
		25mm x 25mm square	300mm x 300mm square		
ALG 1000	Heavy Duty	4.50 kN	N/A	12.00 kN/m <sup>2</sup>	13.50 kN
ALG 1250	Extra Heavy Duty	5.56 kN	N/A	14.83 kN/m <sup>2</sup>	16.68 kN
ALG 1500	Industrial Duty	6.67 kN	N/A	17.80 kN/m <sup>2</sup>	20.01 kN

**RHINO**<sup>®</sup>

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**China Office**

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

**T/** (86) 519 8988 3171

**F/** (86) 519 8988 3901

**Bangkok Office**

32 Soi Sukhumvit 36 (Napasub)  
Sukhumvit Road, Klongton  
Klongtoey, Bangkok 10110  
Thailand

**T/** (662) 661 2990

**F/** (662) 661 2991

**Hong Kong Office**

7/F, Spa Centre  
No. 53-55 Lockhart Road  
Wai Chai  
Hong Kong

**T/** (852) 2793 5511

**F/** (852) 3590 2333

**Production Unit**

Hengshanqiao  
Wujin District  
Changzhou 213119  
Jiangsu, China

**T/** (86) 519 8860 7959

**F/** (86) 519 8860 5659

[www.RhinoAccessFloors.com](http://www.RhinoAccessFloors.com)