



RhinoAlutec®  
Aluminum Circular Panel



# ALC 1000/1250/1500

Aluminum Circular Panel (55% Airflow)

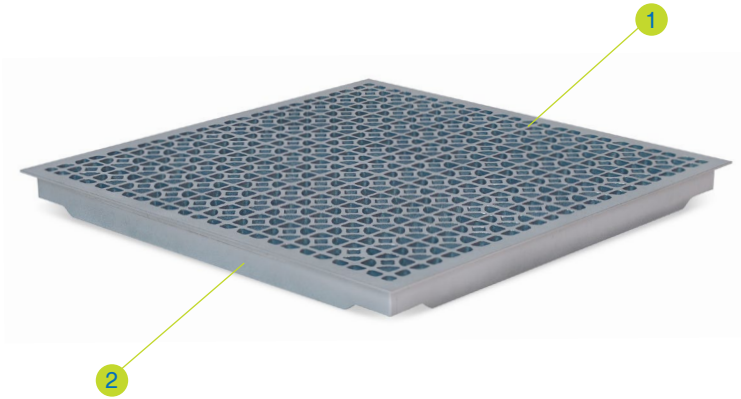
RhinoAlutec® aluminum circular panel (55% airflow) is an ideal solution for cooling, this panel is specifically designed with no underside obstructions to provide optimum laminar air flow. It has been widely used in data centers and server rooms.

**RHINO**®  
Strive for perfection!

# Technical Data Sheet

RhinoAlutec® Circular

## Panel



### 1 Airflow Rates

Rates: 55%

### 2 Aluminum Circular Panel

Size: 600 × 600mm

Thickness: 50/55mm

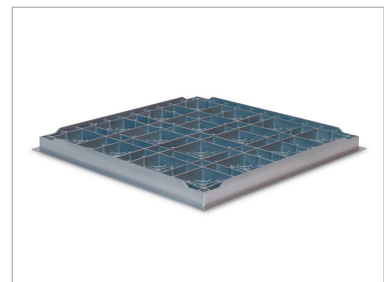
Material: Aluminum Alloy

## Description

RhinoAlutec® aluminum circular panel (55% 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

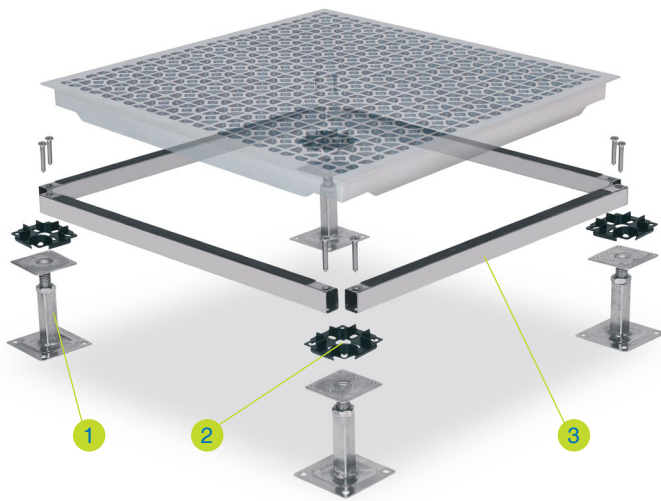


Panel Type	Panel Size	Core Material	Panel Construction	Panel Thickness (Nominal)	System Weight (Typical)
ALC 1000	600mm square	Aluminum Alloy	Aluminum Die-casted	50/55 mm	31.07 Kg/m <sup>2</sup>
ALC 1250	600mm square	Aluminum Alloy	Aluminum Die-casted	50/55 mm	33.85 Kg/m <sup>2</sup>
ALC 1500	600mm square	Aluminum Alloy	Aluminum Die-casted	50/55 mm	36.63 Kg/m <sup>2</sup>

# Technical Data Sheet

RhinoAlutec® Circular

## System



### 1 Standard Pedestal

Electra-galvanized steel made pedestal is suitable for raised floors with a finished floor height from 150mm to 1800mm. Zinc whisker free is available for special order.  
Material: Steel, Yellow Galvanized.

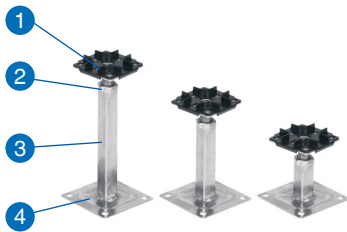
### 2 Head Gasket

Plastic conductive material with sound proofing and sealing functions, equipped with tabs for the positioning of panels.  
Thickness: 2.0mm

### 3 Stringer

Steel tube performed stringer with plastic gasket on top provide best supports to the structural system with limited air leakage and outstanding acoustic performance.  
Dimension: 568mm(L) × 21mm(W) × 32mm(H)  
Thickness: 0.8/1.0/1.2mm

## Pedestal



### 1 Pedestal Head

Head plate: 76x76x4.0mm  
Thread Rod: M19 with anti-rotation tabs

### 2 Adjusting Nut

M19 with vibration proof locking device

### 3 Base Tube

□22x1.5mm sq.  
tube arch welded to base plate

### 4 Base Plate

100x100x2.0mm

## 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		
ALC 1000	Heavy Duty	4.50 kN	5.56 kN	12.00 kN/m <sup>2</sup>	13.50 kN
ALC 1250	Extra Heavy Duty	5.56 kN	6.67 kN	16.00 kN/m <sup>2</sup>	16.68 kN
ALC 1500	Industrial Duty	6.67 kN	8.90 kN	20.00 kN/m <sup>2</sup>	20.01 kN

# **RHINO**<sup>®</sup>

*Strive for perfection!*

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