



RhinoROC®  
Steel Cement Filled Panel



## Perf 800/1000

Airflow Panel

RhinoROC® Airflow Panels are manufactured from structural steel technology makes the size and thickness same as Roc Covered panels but light weight. The top surface of the panel is laminated with anti-static HPL or conductive vinyl tiles with numbers of different airflow rates, this resistance welded all-steel panels are the premier choice for computer rooms and data centers.

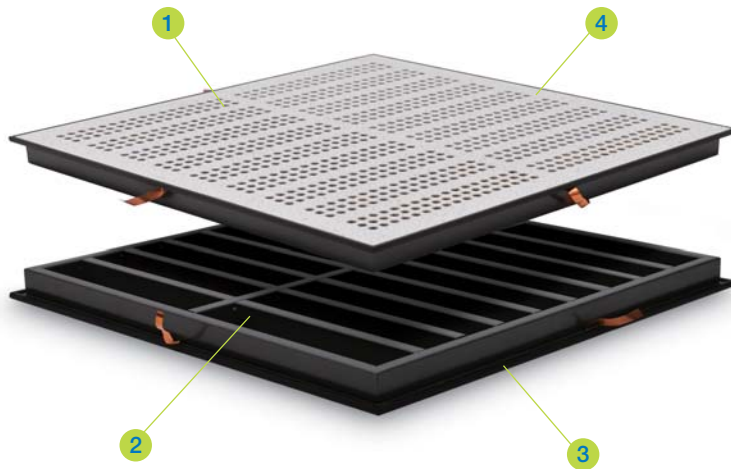
**RHINO®**  
*Strive for perfection!*

# Product Ranges

RhinoROC® Airflow



## Panel



### 1 Airflow Rates

Rates: 20%, 25%, 30%, 35% and 45%

### 2 Bottom Structure

Thickness: 2.0 mm

Material: Steel rectangular tube welded

### 3 Top Steel-plate

Thickness: 2.0 mm

Material: Cold rolled steel sheet

### 4 Finish

Thickness: Various

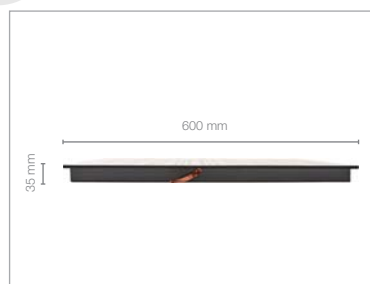
Material: Bare, Anti-static HPL,  
Conductive Vinyl

## Description

RhinoROC® Airflow panels are manufactured from structural steel technology makes the size and thickness same as Roc Covered panels but light weight. The top surface of the panel is laminated with anti-static HPL or conductive vinyl tiles with numbers of different airflow rates, this resistance welded all-steel panels are the premier choice for computer rooms and data centers.

## Features

- All-steel structural design
- 90% recyclable
- Light weight easy install and removal
- Powder-coated, protective epoxy finish
- Fully interchangeable with other Roc panels



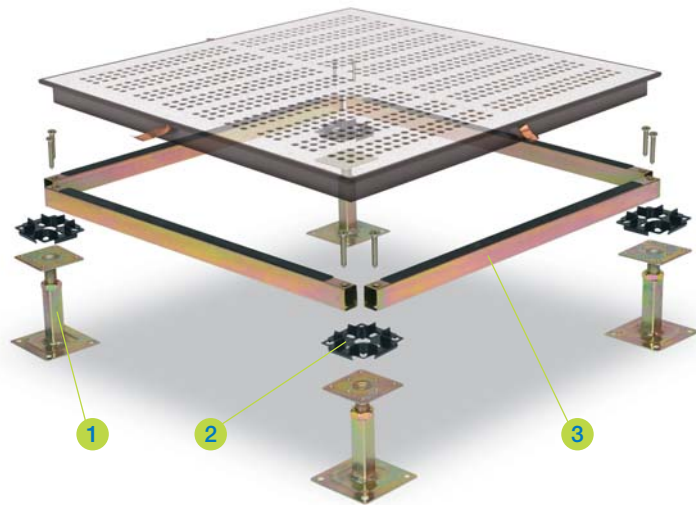
Panel Type	Panel Size	Core Material	Panel Construction	Panel Thickness (Nominal)	System Weight (Typical)
Perf 800	600mm square	2.00 mm	Cold rolled steel welded	35.00 mm	28 kg/m²
Perf 1000	600mm square	2.00 mm	Cold rolled steel welded	35.00 mm	34 kg/m²

# Product Ranges

RhinoROC® Airflow

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## System



### 1 Standard Pedestal

Electro-galvanized steel made pedestal is suitable for raised floors with a finished floor height from 200mm to 600mm. 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 Head Assembly

Head plate: 75mm × 75mm × 3.0mm  
Threaded rod: M19

### 2 Base Assembly

Base tube: □22mm × 2.5mm  
Base plate: 100mm × 100mm × 2.5mm

### 3 FFH (Finished Floor Height)

200mm to 600mm

### 4 Adjusting Range

+/- 30mm

## Performance

- This bolted stringer system is tested in accordance with USA CISC 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	Understructure	Performance Grades	Static Loads			Rolling Loads		Airflow (CFM)	
			Concentrated Load	Ultimate Load (Safety Factor* 3.0)	Uniform Load	10 Passes	10,000 Passes	0.05" H <sub>2</sub> O	0.10" H <sub>2</sub> O
Perf 800	Bolted Stringer	Medium Duty	800 lbs 3.56 kN	2,400 lbs 10.68 kN	200 lbs/ft² 10 kN/m²	Not Recommended		550	800
Perf 1000	Bolted Stringer	Heavy Duty	1,000 lbs 4.45 kN	3,000 lbs 13.34 kN	250 lbs/ft² 12 kN/m²	Not Recommended		550	800

**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**

Hengshangqiao  
Wujin District  
Changzhou 213119  
Jiangsu, China

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

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

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