



RhinoFLOR®  
Chipboard Core Panel



## F 25F/28F Full Encapsulated Panel

RhinoFLOR® Full-encapsulated panels are manufactured from chipboard core (approx. 680 kg/m<sup>3</sup>) non-toxic and light weight material. The design incorporates a unique wrap around construction which makes panel removal and replacement easily. This design provides more strength on edges.

**RHINO**®  
*Strive for perfection!*

### Panel



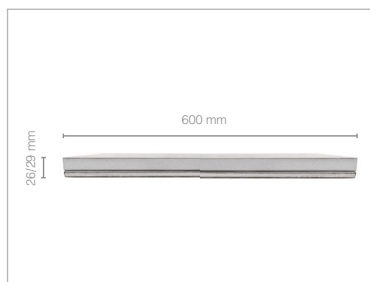
- 1 Top Layer**  
Thickness: 0.3 / 0.4 / 0.5 mm  
Material: Galvanized steel sheet
- 2 Edge**  
Construction: Unique wrapped around construction
- 3 Under Layer**  
Thickness: 0.3 / 0.4 / 0.5 mm  
Material: Galvanized steel sheet

### Description

RhinoFLOR® Full-encapsulated panels are manufactured from chipboard core (approx. 680 kg/m<sup>3</sup>) non-toxic and light weight material. The design incorporates a unique wrap around construction which makes panel removal and replacement easily. This design provides more strength on edges.

### Features

- Non-toxic
- Non-combustible
- Impressive acoustic performance
- Superb underfoot comfort
- High load capacity
- Low air leakage rate

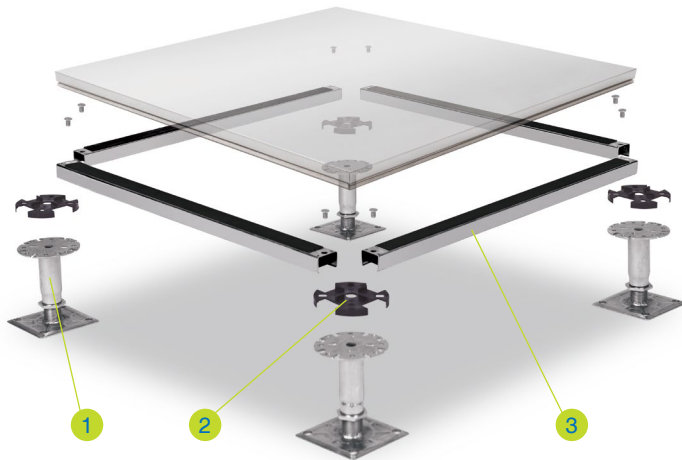


Panel Type	Panel Size	Core Material	Panel Construction	Panel Thickness (Nominal)	System Weight (Typical)
F 25F	600 mm square	Chipboard	Galvanized steel full-encapsulated	26.00 mm	23.00 Kg/m <sup>2</sup>
F 28F	600 mm square	Chipboard	Galvanized steel full-encapsulated	29.00 mm	25.00 Kg/m <sup>2</sup>

# Technical Data Sheet

RhinoFLOR® Encapsulated

## System



### 1 Standard Pedestal

Electro-galvanized steel made pedestal is suitable for raised floors with a finished floor height from 100mm to 1800mm. Zinc whisker free is available for special order.  
Material: Steel, Yellow Galvanized.

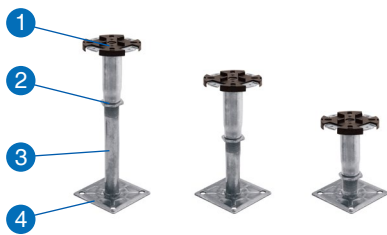
### 2 Head Gasket

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: 537mm x 30mm x 20mm  
Thickness: 0.8/1.0/1.2mm

## Pedestal



### 1 Head Assembly

Head plate:  $\varnothing 90\text{mm} \times 3.0\text{mm}$   
Head tube:  $\varnothing 32\text{mm} \times 2.0\text{mm}$

### 2 Adjusting Nut

M24 with vibration proofing locking device

### 3 Base Tube

$\varnothing 25\text{mm} \times 2.5\text{mm}$

### 4 Base Plate

$\square 100\text{mm} \times 2.5\text{mm}$

## 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		
F 25F	Medium Duty	3.00 kN	4.50 kN	8.00 kN/m <sup>2</sup>	9.00 kN
F 28F	Heavy Duty	4.50 kN	5.56 kN	12.00 kN/m <sup>2</sup>	13.50 kN

# **RHINO**<sup>®</sup>

*Strive for perfection!*

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