



Cemtec®  
Fiber Reinforced Concrete Panel

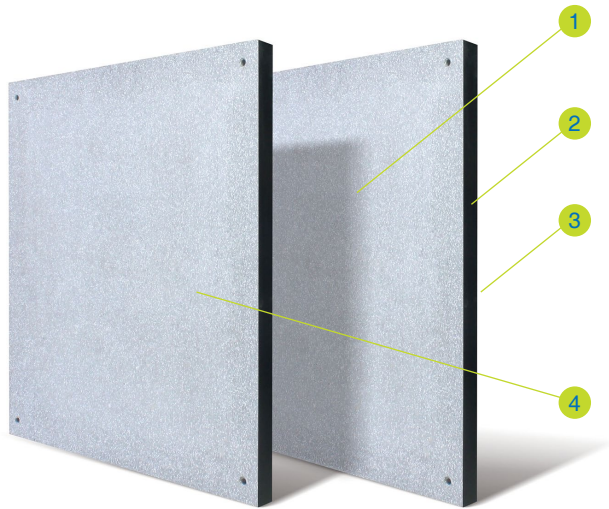


## G600 Corner-locked Bare Finish Panel

Cemtec® G600 bare panels are manufactured from a high density of fiber reinforced concrete-based (FRC) panel (approx. 1,800 kg/m<sup>3</sup>), an unique reinforcing bar structure and laths are used in concreted to prevent crack, thus realizing a tough and high-strength concrete panel while providing solid walking feel, non-toxic and non-combustible.

**RHINO**®  
Strive for perfection!

**Panel**



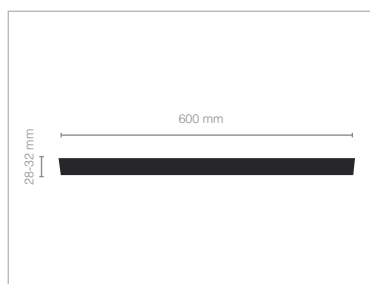
- 1 Reinforced Concrete Core**  
Thickness: 28/30/32mm  
Material: Fibers & concrete  
(approx. 1,800kg/m<sup>3</sup>)
- 2 Edge Band**  
Thickness: 0.5mm  
Material: Conductive PVC/ABS
- 3 Under Layer**  
Thickness: 0.4/0.5mm  
Material: Galvanized steel sheet
- 4 Finish Options**  
Classic concrete  
On-site bonding

**Description**

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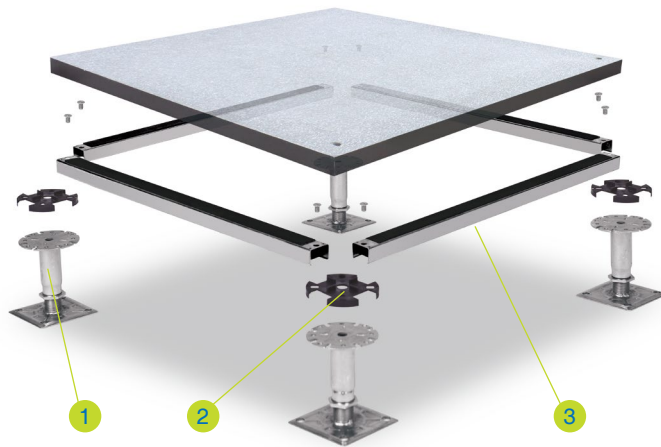
**Features**

- 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)
G600 M	600mm square	Reinforced Concrete	Galvanized steel sheet on bottom with edge band	28.00 mm	70.00 Kg/m <sup>2</sup>
G600 H	600mm square	Reinforced Concrete	Galvanized steel sheet on bottom with edge band	30.00 mm	72.00 Kg/m <sup>2</sup>
G600 E	600mm square	Reinforced Concrete	Galvanized steel sheet on bottom with edge band	32.00 mm	74.00 Kg/m <sup>2</sup>

### System

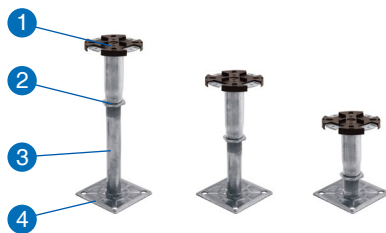


**1 Standard Pedestal**  
Electro-galvanized steel made pedestal is suitable for raised floors with a finished floor height from 100mm to 1800mm. Zinc whisker free is available for special order.  
Material: Steel, Yellow Galvanized.

**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		
G600 M	Medium Duty	3.00 kN	4.50 kN	8.00 kN/m <sup>2</sup>	9.00 kN
G600 H	Heavy Duty	4.50 kN	5.56 kN	12.00 kN/m <sup>2</sup>	13.50 kN
G600 E	Extra Heavy Duty	5.56 kN	6.67 kN	16.00 kN/m <sup>2</sup>	16.68 kN

# **RHINO**<sup>®</sup>

*Strive for perfection!*

## **Corporate Headquarters**

111 S.K.V. Building, 4<sup>th</sup> 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](http://www.RhinoAccessFloors.com)