



RhinoROC®  
Steel Cement Filled Panel



CL 600/700/800  
ROC 100/200/300/400/500/600  
Bare Finish Panel

RhinoROC® bare finish panels are manufactured from cold rolled steel resistance welded, light weight cement-filled steel panels are specifically designed to accommodate dynamic loads and to withstand some of the highest ultimate loads in the industry. The design incorporates a classic 64 domes bottom shell with cross-beams and 4-ribbed beams strengthen center and perimeter of the panel, total 140 resistance welds dramatically improved edge load capacities, and overall panel durability.

**RHINO®**  
*Strive for perfection!*

### Panel



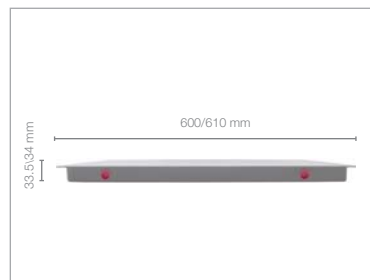
- 1 Top Steel-plate**  
Thickness: Various  
Material: Cold rolled steel (SPCC)
- 2 Bottom Shell**  
Material: Cold rolled steel (ST14)  
Construction: Classic 64-dome design  
Stiffening Rib: Cross beams + 4-ribbed beams
- 3 Cement Injection**  
Material: Light weight cement filled  
Seal: Plastic plug, pink color

### Description

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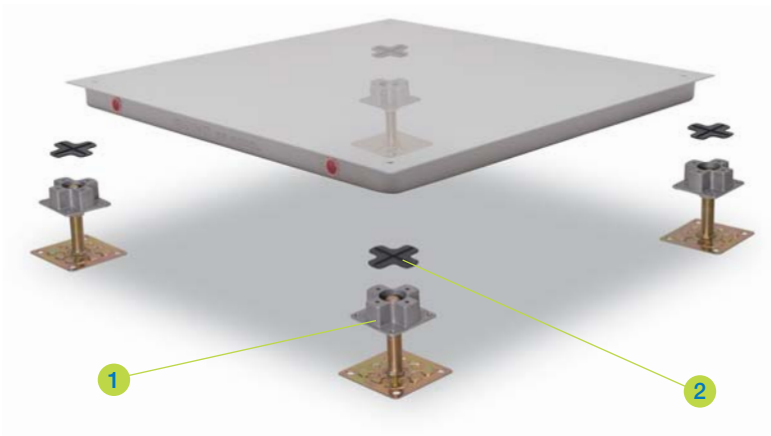
### Features

- Accommodates maximum dynamic loads to 33kN
- Interchangeable with other Roc panels
- Quiet, with a solid feel underfoot
- Powder-coated, protective epoxy finish



Panel Type	Panel Size	Core Material	Panel Construction	Panel Thickness (Nominal)	System Weight (Typical)
CL 600	600mm square	Light weight cement-filled	Cold rolled steel resistance welded	33.50 mm	37 kg/m²
CL 700	600mm square	Light weight cement-filled	Cold rolled steel resistance welded	33.50 mm	38 kg/m²
CL 800	600mm square	Light weight cement-filled	Cold rolled steel resistance welded	33.50 mm	39 kg/m²
ROC 100	600/610mm square	Light weight cement-filled	Cold rolled steel resistance welded	33.50 mm	42 kg/m²
ROC 200	600/610mm square	Light weight cement-filled	Cold rolled steel resistance welded	33.50 mm	45 kg/m²
ROC 300	600/610mm square	Light weight cement-filled	Cold rolled steel resistance welded	34.00 mm	48 kg/m²
ROC 400	600/610mm square	Light weight cement-filled	Cold rolled steel resistance welded	34.00 mm	51 kg/m²
ROC 500	600/610mm square	Light weight cement-filled	Cold rolled steel resistance welded	34.00 mm	54 kg/m²
ROC 600	600/610mm square	Light weight cement-filled	Cold rolled steel resistance welded	34.00 mm	56 kg/m

### System



#### 1 Standard Pedestal

Electro-galvanized steel made base assembly with aluminum die-casted head pedestal is suitable for raised floors with a finished floor height from 50mm to 1800mm.

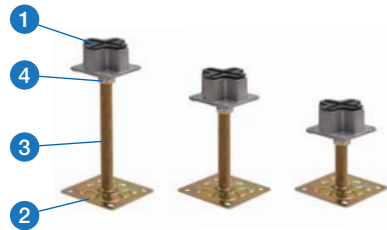
Material: Head: Aluminum alloy  
Base: Steel, yellow galvanized.

#### 2 Cross Gasket

Plastic conductive material with sound proofing and sealing functions, equipped with a cross ribs for the positioning of panels.

Thickness: 2.0mm

### Pedestal



#### 1 Head Assembly

Aluminum die casting  
Cross-head design

#### 2 Base Assembly

Threaded rod: M18  
Base plate: 100mm × 100mm × 2.0mm

#### 3 FFH (Finished Floor Height)

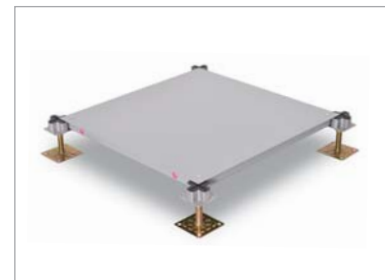
50mm to 150mm (alu. cross-head)  
150mm to 300mm (steel cross-head)  
300mm to 1800mm (bolted stringer)

#### 4 Adjusting Range

+/-15mm (FFH50-150)  
+/-25mm (FFH150-600)  
+/-30mm (FFH600-1200)  
+/-40mm (FFH1200-1800)

### Performance

- This cornerlocked understructure 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
- Fire performance 2-hour fire rating according to ASTM E119



Panel Type	Understructure	Performance Grades	Static Loads			Rolling Loads		Impact Loads
			Concentrated Load	Ultimate Load (Safety Factor* 3.0)	Uniform Load	10 Passes	10,000 Passes	
CL 600	Corner Locked	Medium Duty	600 lbs 2.67 kN	1,800 lbs 8.01 kN	250 lbs/ft² 12 kN/m²	400 lbs 1.78 kN	200 lbs 0.89 kN	150 lbs 0.67 kN
CL 700	Corner Locked	Medium Duty	700 lbs 3.11 kN	2,100 lbs 9.34 kN	275 lbs/ft² 13 kN/m²	500 lbs 2.22 kN	300 lbs 1.33 kN	150 lbs 0.67 kN
CL 800	Corner Locked	Medium Duty	800 lbs 3.56 kN	2,400 lbs 10.68 kN	300 lbs/ft² 14 kN/m²	600 lbs 2.67 kN	400 lbs 1.78 kN	150 lbs 0.67 kN
ROC 100	Corner Locked Bolted Stringer	Medium Duty	800 lbs 3.56 kN	2,400 lbs 10.68 kN	300 lbs/ft² 14 kN/m²	600 lbs 2.67 kN	400 lbs 1.78 kN	150 lbs 0.67 kN
ROC 200	Corner Locked Bolted Stringer	Heavy Duty	1,000 lbs 4.45 kN	3,000 lbs 13.34 kN	350 lbs/ft² 17 kN/m²	800 lbs 3.56 kN	600 lbs 2.67 kN	150 lbs 0.67 kN
ROC 300	Corner Locked Bolted Stringer	Extra Heavy Duty	1,250 lbs 5.56 kN	3,750 lbs 16.68 kN	400 lbs/ft² 19 kN/m²	1,000 lbs 4.45 kN	800 lbs 3.56 kN	150 lbs 0.67 kN
ROC 400	Corner Locked Bolted Stringer	Super Heavy Duty	1,500 lbs 6.67 kN	4,500 lbs 20.02 kN	450 lbs/ft² 22 kN/m²	1,250 lbs 5.56 kN	1,000 lbs 4.45 kN	150 lbs 0.67 kN
ROC 500	Corner Locked Bolted Stringer	Industrial Heavy Duty	2,000 lbs 8.90 kN	6,000 lbs 26.70 kN	550 lbs/ft² 26 kN/m²	1,500 lbs 6.67 kN	1,250 lbs 5.56 kN	200 lbs 0.89 kN
ROC 600	Corner Locked Bolted Stringer	Military Heavy Duty	2,500 lbs 11.12 kN	7,500 lbs 33.36 kN	650 lbs/ft² 31 kN/m²	2,000 lbs 8.90 kN	1,500 lbs 6.67 kN	200 lbs 0.89 kN

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