



RhinoROC®  
Steel Cement Filled Panel



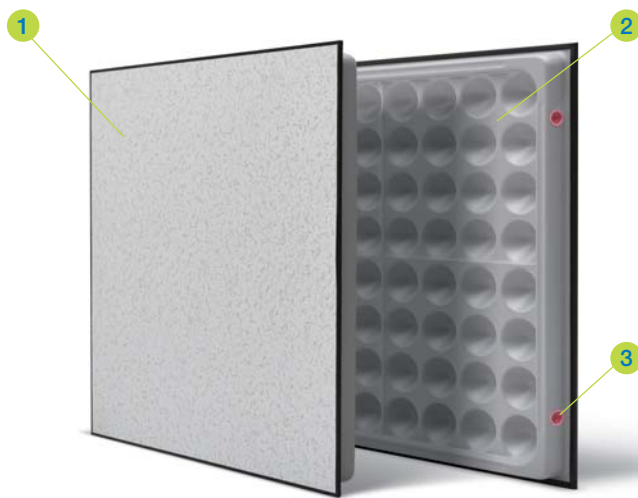
# ROC 100C/200C/300C 400C/500C/600C

Covered Panel w/ C-trim

RhinoROC® Covered Panel w/ C-trim has the same welded structural steel technology found in the Roc bare finish panel making the two interchangeable, high-strength but with various finishes are the premier choice for computer room and data centers.

**RHINO**®  
*Strive for perfection!*

Panel



- 1 Top Layer**  
Thickness: Various  
Material: Anti-static HPL  
Conductive Vinyl (PVC)
- 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

RhinoROC® HPL or PVC finish panel has the same welded structural steel technology found in the Roc bare finish panel making the two interchangeable, high-strength but with various finishes are the premier choice for computer room and data centers.

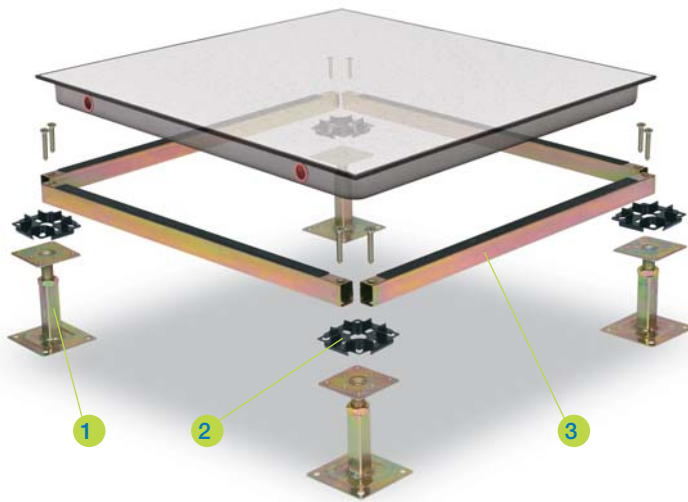
Features

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



Panel Type	Panel Size	Core Material	Panel Construction	Panel Thickness (Nominal)	System Weight (Typical)
ROC 100C	600/610mm square	Light weight cement-filled	Cold rolled steel resistance welded	35.00 mm	45 kg/m²
ROC 200C	600/610mm square	Light weight cement-filled	Cold rolled steel resistance welded	35.00 mm	48 kg/m²
ROC 300C	600/610mm square	Light weight cement-filled	Cold rolled steel resistance welded	36.00 mm	51 kg/m²
ROC 400C	600/610mm square	Light weight cement-filled	Cold rolled steel resistance welded	36.00 mm	53 kg/m²
ROC 500C	600/610mm square	Light weight cement-filled	Cold rolled steel resistance welded	36.00 mm	55 kg/m²
ROC 600C	600/610mm square	Light weight cement-filled	Cold rolled steel resistance welded	36.00 mm	57 kg/m

System



**1 Standard Pedestal**

Electro-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

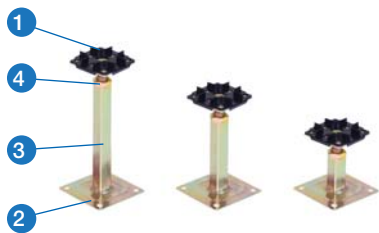
**3 Stringer**

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) x 21mm(W) x 32mm(H)

Thickness: 0.8/1.0/1.2mm

Pedestal



**1 Head Assembly**

Head plate: 75mm x 75mm x 4.0mm  
Threaded rod: M19

**2 Base Assembly**

Base tube: □22mm x 1.5mm  
Base plate: 100mm x 100mm x 2.3mm

**3 FFH (Finished Floor Height)**

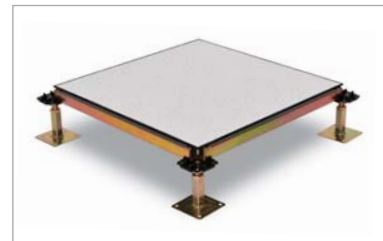
150mm to 1800mm

**4 Adjusting Range**

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

Performance

- This bolted stringer system is tested in accordance with USA CISCA 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	
ROC 100C	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 200C	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 300C	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 400C	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 500C	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 600C	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

# **RHINO**<sup>®</sup>

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