



RhinoROC®
Steel Cement Filled Panel



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

Covered Panel

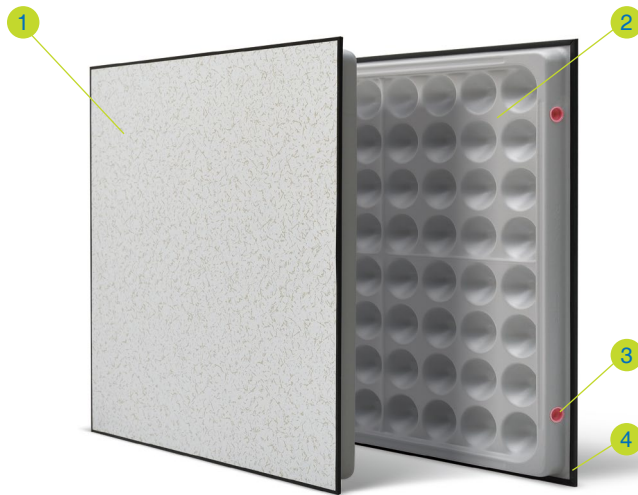
RhinoROC® covered panel with trim edge has the same welded structural steel technology found in the Roc bare finish panel making the two interchangeable, high-strength but with various finishes are the premier choice for computer room and data centers.

RHINO®
Strive for perfection!

Technical Data Sheet

RhinoROC® Covered

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

4 Trim Edge

Material: Conductive vinyl
Color: black or same color
customized as floor finish

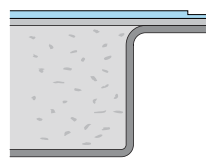
Description

RhinoROC® covered panel with trim edge 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

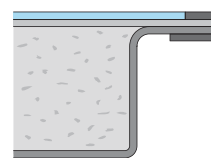
- Accommodates maximum dynamic loads to 33kN
- Interchangeable with other Roc panels
- Quiet, with a solid feel underfoot
- Powder-coated, protective epoxy finish
- Wide range of covering options

X-trim Edge



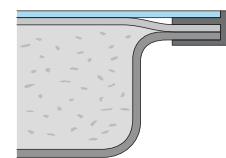
Integral trim edge, superior wear resistance, trim will not detach, chip or crack.

C-trim Edge



Better electricity transferring, small tolerance and air leakage free.

F-trim Edge



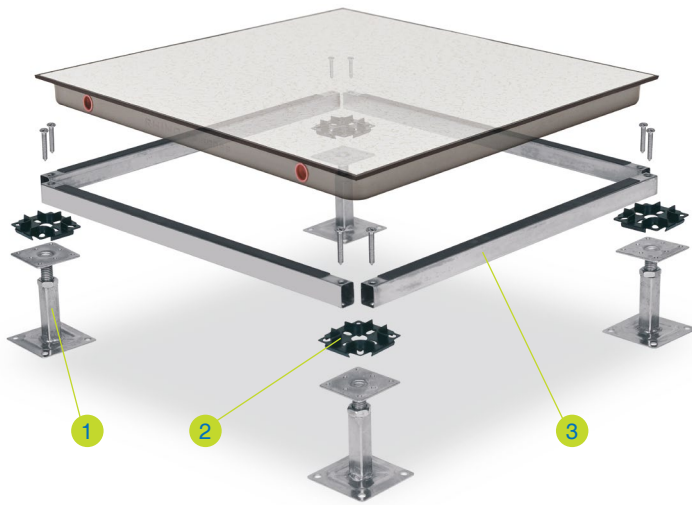
Integral and mini trim edge, durable and overall look better.

Panel Type	Panel Size	Core Material	Panel Construction	Panel Thickness (Nominal)	System Weight (Typical)
ROC 100C	600/610 mm square	Light weight cement-filled	Cold rolled steel resistance welded	35.00 mm	45 kg/m ²
ROC 200C	600/610 mm square	Light weight cement-filled	Cold rolled steel resistance welded	35.00 mm	48 kg/m ²
ROC 300C	600/610 mm square	Light weight cement-filled	Cold rolled steel resistance welded	36.00 mm	51 kg/m ²
ROC 400C	600/610 mm square	Light weight cement-filled	Cold rolled steel resistance welded	36.00 mm	53 kg/m ²
ROC 500C	600/610 mm square	Light weight cement-filled	Cold rolled steel resistance welded	36.00 mm	55 kg/m ²
ROC 600C	600/610 mm square	Light weight cement-filled	Cold rolled steel resistance welded	36.00 mm	57 kg/m ²

Technical Data Sheet

RhinoROC® Covered

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, Galvanized & blue

2 Head Gasket

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

Thickness: 2.0mm

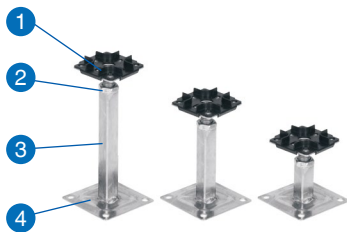
3 Stringer

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 Pedestal Head

Head plate: 76x76x4.0mm

Thread Rod: M19 with anti-rotation tabs

2 Adjusting Nut

M19 with vibration proof locking device

3 Base Tube

□22x1.5mm sq.

tube arch welded to base plate

4 Base Plate

100x100x2.0mm

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
- Structural performance based upon a full Rhino access floors system i.e. panels & pedestals.



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/ft ² 14 kN/m ²	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/ft ² 17 kN/m ²	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/ft ² 19 kN/m ²	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/ft ² 22 kN/m ²	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/ft ² 26 kN/m ²	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/ft ² 31 kN/m ²	2,000 lbs 8.90 kN	1,500 lbs 6.67 kN	200 lbs 0.89 kN

RHINO[®]

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