



RhinoRS®

Rhino Selected Series



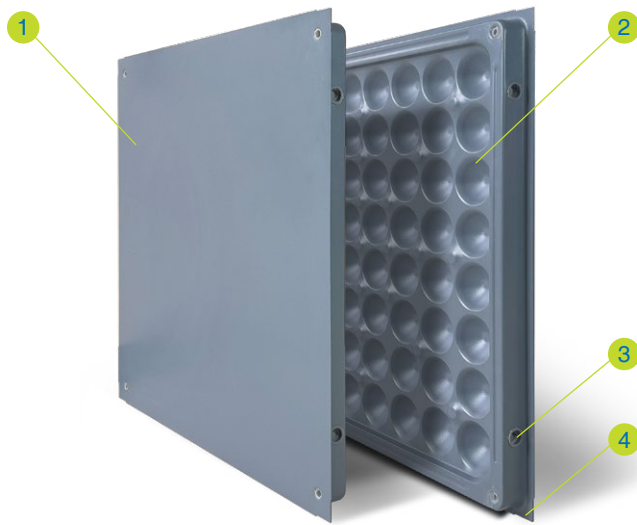
RS 100/200/300/400/500/600

Bare Panel w/ Expansion Cut-out

RhinoRS® bare finish panels are manufactured from cold rolled steel resistance welded, light weight cement-filled steel panels. The design incorporates a classic **64** domes bottom shell with **25** reverse structural embossments and **4** ribbed bottom beams to strengthen center and perimeter of the panel, total **140** welds including **40** extra welds around the entire panel perimeter dramatically improved edge load capacities, and overall panel durability. The panel has a special expansion cut-out, and the pedestal head is fitted with an expansion gasket designed to keep the panels separated by **0.3mm** at all times, this eliminates panel to panel contact noise.

RHINO®
Strive for perfection!

Panel



- 1 Top Steel-plate**
Thickness: Various
Material: Cold rolled steel (SPCC)
- 2 Bottom Shell**
Thickness: Various
Material: Cold rolled steel (ST14)
Construction: **64** domes classic design
+ **25** reverse structural embossments
+ **4** ribbed bottom beams + **140** welds
- 3 Cement Injection**
Material: Light weight cement filled
Seal: Plastic plug, gray color
- 4 Expansion Cut-out**
Construction: Rebated die-cut edge to fit with an expansion joint gasket

Description

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Features

- Accommodates maximum dynamic loads to 33kN
- Inbuilt expansion joint and cut-out
- Keep the panels separated by 0.3mm at all times.
- Quiet, with a solid feel underfoot
- Powder-coated, protective epoxy finish

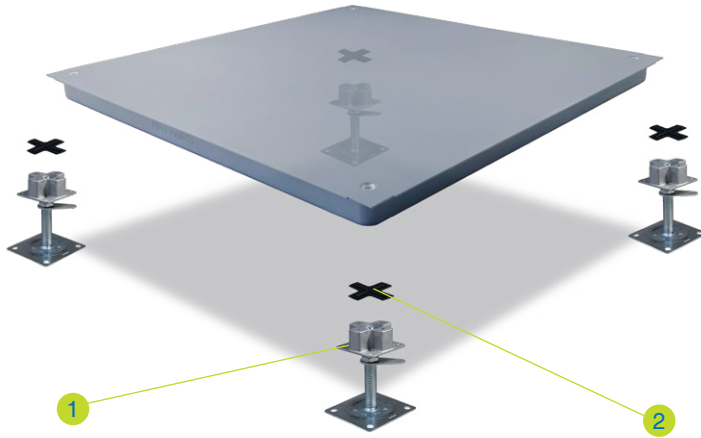


Panel Type	Panel Size	Core Material	Panel Construction	Panel Thickness (Nominal)	System Weight (Typical)
RS 100	600 mm square	Light weight cement-filled	Cold rolled steel resistance welded	33.50 mm	41 kg/m ²
RS 200	600 mm square	Light weight cement-filled	Cold rolled steel resistance welded	33.50 mm	44 kg/m ²
RS 300	600 mm square	Light weight cement-filled	Cold rolled steel resistance welded	33.50 mm	46 kg/m ²
RS 400	600 mm square	Light weight cement-filled	Cold rolled steel resistance welded	34.00 mm	49 kg/m ²
RS 500	600 mm square	Light weight cement-filled	Cold rolled steel resistance welded	34.00 mm	53 kg/m ²
RS 600	600 mm square	Light weight cement-filled	Cold rolled steel resistance welded	34.00 mm	58 kg/m ²

Technical Data Sheet

RhinoRS® Bare w/ Expansion Cut-out

System



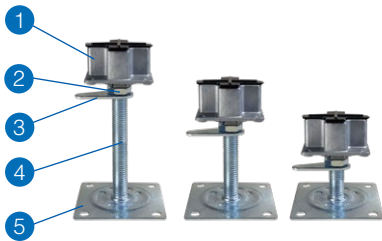
1 Standard Pedestal

Galvanized & blue passivated steel made base assembly with aluminum die-casted head pedestal is suitable for raised floors with a finished floor height from 50mm - 450mm.

2 Inbuilt Expansion Joint Gasket

Inbuilt expansion joint gasket ensures that the panel are held 0.3mm apart, conductive material with sound proofing and sealing functions. Thickness: 2.0mm

Pedestal



1 Pedestal Head

Die formed aluminum to form a solid support

2 Adjusting Nut

M18 nut can adjust to the required length of the steel thread rod

3 Locking Arm

Locking arm helps installer lock the system more easily

4 Steel Thread Rod

M18 steel rod

5 Foot Plate

100x100x2.0mm



Performance

- This cornerlocked understructure 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	
RS 100	Corner Locked	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
RS 200	Corner Locked	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
RS 300	Corner Locked	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
RS 400	Corner Locked	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
RS 500	Corner Locked	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
RS 600	Corner Locked	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

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