

WOOD CORE SYSTEM STEEL ENCAPSULATED

AVAYO wood core panels made of high density chip board. The 600mm x 600mm chip board encapsulated in a galvanized steel cover.



The panels laid on a stringer less or stringer based pedestal system. These panels construct with bare finish which is ready to accept any top finish.

TECHNICAL DETAILS:

Product Type	: Wood core encapsulated panels
Manufacturer	: Avayo Electronics Canada Corporation
Standards	: CISCA, ASTM, NFPA, UL
Core Material	: High Density Chip Board
Panel Size	: 600x600 mm
Panel Thickness	: 32.5 mm
Panel Weight	: 13 kg
Construction	: Chip Board encapsulated in a galvanized steel cover
Panel Finish	: Galvanized steel bottom
Top Finish	: Bare Finish (Ready to accept any top finish)
Fire rating Class	: Class 1
Heat Transfer	: 1 Hour
Seismic Performance	: Accordance with UBC-1997 for Zone 2A, Site D

MECHANICAL PROPERTIES:

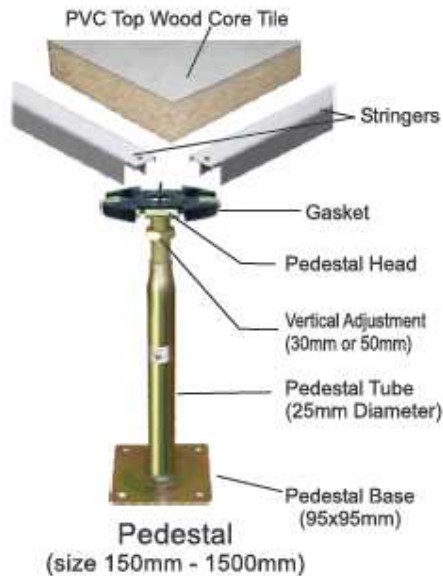
Part No.	Conce ntrated Load	Design Load	Ultimat e Load	Uniform Load	Impact Load	Rolling Load @10 passes	Rolling Load @10,000 passes
AVR-WC-E(35)	3.5 KN	5.5 KN	11 KN	16 KN	670 N	3.5 KN	2.5 KN
AVR-HWC-E(45)	4.5 KN	6.5 KN	13.5 KN	23 KN	712 N	4.5 KN	3.5 KN
AVR-HWC-E(55)	5.5 KN	8 KN	16.5 KN	33 KN	712 N	5.5 KN	4.5 KN

- Deflection : 2.5mm Max.
- Safety factor : 2
- Test method : As per CISCA, ASTM, UL, NFPA Standards.

UNDER STRUCTURE:

PEDESTAL:-

Adjustable pedestals in pressed and galvanized steel with an adjustment field ranges from 30mm, 50mm or 100mm vertical adjustments. Rectangular base of pedestal with min. size 95mm x 95mm / 3mm thick with 4 strengthening ribs and 4 holes to permit mechanical fixing if required. 90mm diameter, 3.5 mm thick cold pressed, cut shaped steel head with 8 radial branches constitutes the support of the stringers. Each branch has a hole to permit the screw fixing to the stringers to the head. The bottom centre section of the head is expanded to a threaded rod section for vertical adjustment.



TECHNICAL DETAILS:

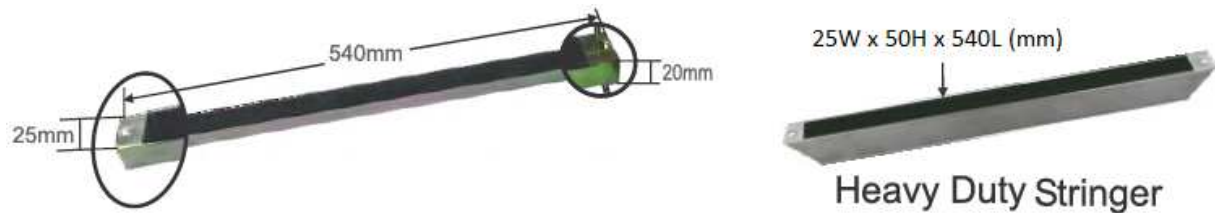
Pedestal material	: Galvanized Steel
Head of the Pedestal	: 90mm diameter circular head allows stringers to fix to the head.
Base Construction (<800 mm FFH)	: 95mm x 95mm x 2.5mm or 100mm x 100mm x 3.0mm
Pedestal tube (<800 mm FFH)	: 25mm Diameter 1.5 mm / 2.0 mm thick welded to the base
Base Construction (>800 mm FFH)	: 125mm x 125mm x 2.5mm or 200mm x 200mm x 3.0mm
Pedestal tube (>800 mm FFH)	: 30mm Diameter 1.5 mm / 2.0 mm thick welded to the base
Construction Height	: 100 mm to 1500 mm
Vertical Adjustment	: 30mm / 50mm / 100mm with lock nut system

MECHANICAL PROPERTIES:

Part No.	Axial Load	Over turning Moment
AVR-WC-E(35)	22 KN	113 NM
AVR-HWC-E(45)	22 KN	113 NM
AVR-HWC-E(55)	40 KN	113 NM

STRINGERS:-

Stringer made of tube in galvanized steel with square section profile 23mm x 32mm x 1.0 mm and 540mm length fixed on the pedestal head allows panel to lay on the top of 600mm x 600mm stringer based pedestal assembly. The slotted holes on the stringers allow the mechanical fixing to the head through a cross head bolt.



TECHNICAL DETAILS:

Stringer material	: Galvanized Steel
Dimension	: 23mm x 32mm x 540mm
Steel Thickness	: 1.0 to 1.5mm
Mode of Assembly	: Mechanically fixed by using screws to pedestal head
Extra Features	: Self Adhesive Gasket for Sound Proof

MECHANICAL PROPERTIES:

Part No.	Type	Concentrated Load
AVR-WC-E	Galvanized steel	1.0 kN

In Raised floor, we do have,

- Low profile & High profile trunking system for a finished floor height from 3.5cm to 20 cm.
- Wood core Panel with antistatic HPL/Vinyl finish
- Cementitious Panel with antistatic HPL/Vinyl finish
- Calcium Sulphate Panel with antistatic HPL/Vinyl finish
- Perforated steel tiles with antistatic HPL/Vinyl finish