

COMPONENTS & MATERIALS

Floor Tiles

MgO Board (Magnesium Oxide Board)

Supports

20 gauge (0.81 mm) stamped steel
Zinc plated to prevent corrosion

Webs and Pad Nuts

V-0 Polypropylene
Colour: White
Quick Connect System

Screws and Washers

Steel, zinc plated

Perimeter Blocking

Aluminium, extruded, clear anodised

Perimeter Fasteners

Steel, black phosphate finish

INSTALLATION

Suitable for installation over existing subfloors - Floor webbing follows contour of subfloor with no levelling capabilities. Below is an example of the number of components required for a floor with dimensions of 26' x 23' (7.92m x 7.01m). To get an estimate of the number of components needed for your own floor space, please refer to our online Flooring Calculator which can be found on www.adaptarchitectural.com.

Tiles

150 tiles required

Webs

7 boxes (A box contains 10 units)

Steel Supports

630 units (Delivered in place with the webbing)

Pad Nuts

630 units (Delivered in place with the webbing)

Screws and Washers

3 packs of each. (A pack contains 100 pieces)

Perimeter Blocking

6 lengths required

Perimeter Fasteners

Two per perimeter tile minimum
Quantity dependant on room size and layout

DIMENSIONS & DETAILS

Cavity

Module Size	7 ³ / ₄ " W x 7 ³ / ₄ " L x 1 ¹³ / ₁₆ " H (198mm W x 198mm L x 46mm H)
Cable Raceway Capacity	6" W x 1 ¹³ / ₁₆ " H (152mm W x 46mm H) 196 CAT5e cables per raceway

System Dead Load

Weight	6.05 lbs per square foot 29.54 kg per square meter
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Floor Tiles

Tile Size	24" x 24" (610mm x 610mm)
Tile Dimensions	23 ⁷ / ₈ " W x 23 ⁷ / ₈ " L x ⁷ / ₈ " D (607mm W x 607mm L x 21mm D)
Tile Weight	21.5 lbs (9.75 kgs) each

Steel Supports

Support Height	2 ⁵ / ₈ " (67mm) to bottom of carpet
Floor Cavity Height	1 ¹³ / ₁₆ " (46mm) Base to underside of tile
Component Size:	5 ¹ / ₄ " diameter x 1 ¹¹ / ₁₆ " H (133mm diameter x 43mm H) 4" (102mm) diameter top

Webbing

Webbing Size	24" x 24" (610mm x 610mm) ¹ / ₈ " (2.5mm) thick (typical)
Inc. Connector	36" x 36" (915mm x 915mm)

Pad Nuts

Pad Nut Size	4" diameter x ¹ / ₁₆ " thick (102mm diameter x 1.6mm thick)
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Screw & Washer Assembly

Washer Size	1 ¹ / ₂ " diameter x ¹ / ₁₆ " thick (38mm diameter x 1.6mm thick)
Philips Screw	¹ / ₄ " x 2" long (6.3mm x 50mm long)

Perimeter Blocking

Blocking Size	2 ⁹ / ₁₆ " H x 1 ¹³ / ₁₆ " W x 19'-0" L (64mm H x 46mm W x 5791mm L)
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Perimeter Fasteners

Philips Screw	¹ / ₄ " x 2 ¹ / ₄ " long (6.3mm x 57mm long)
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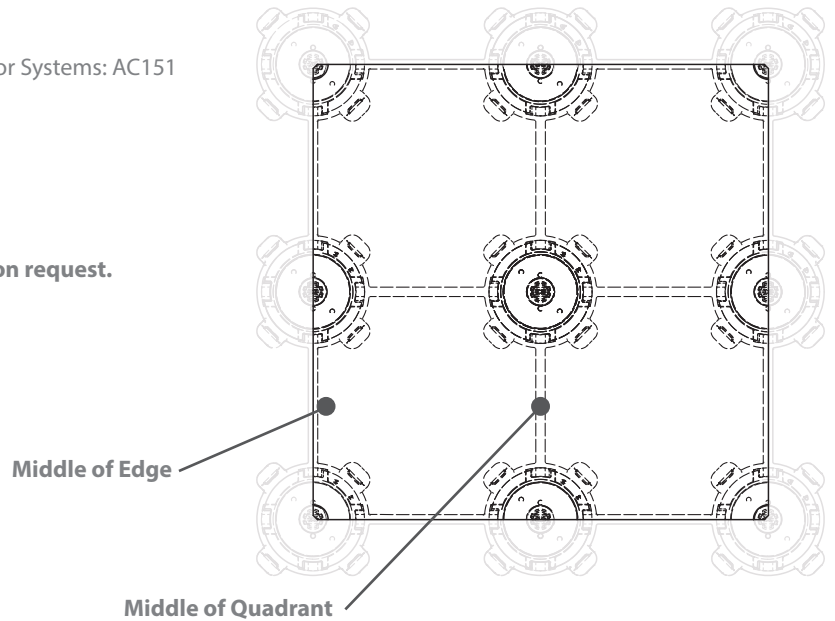
TESTING & APPROVALS

Acceptance Criteria for Fixed Height, Low Profile, Raised Floor Systems: AC151

Inclusive of the following tests: ASTM D 635, ASTM D 1929, ASTM D 2843-99, ASTM E 84, ASTM E 119, ASTM E 2322-03

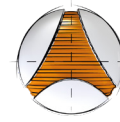
Los Angeles Research Report (General) LARR-25858

Testing Reports, Details and Approvals are available upon request.

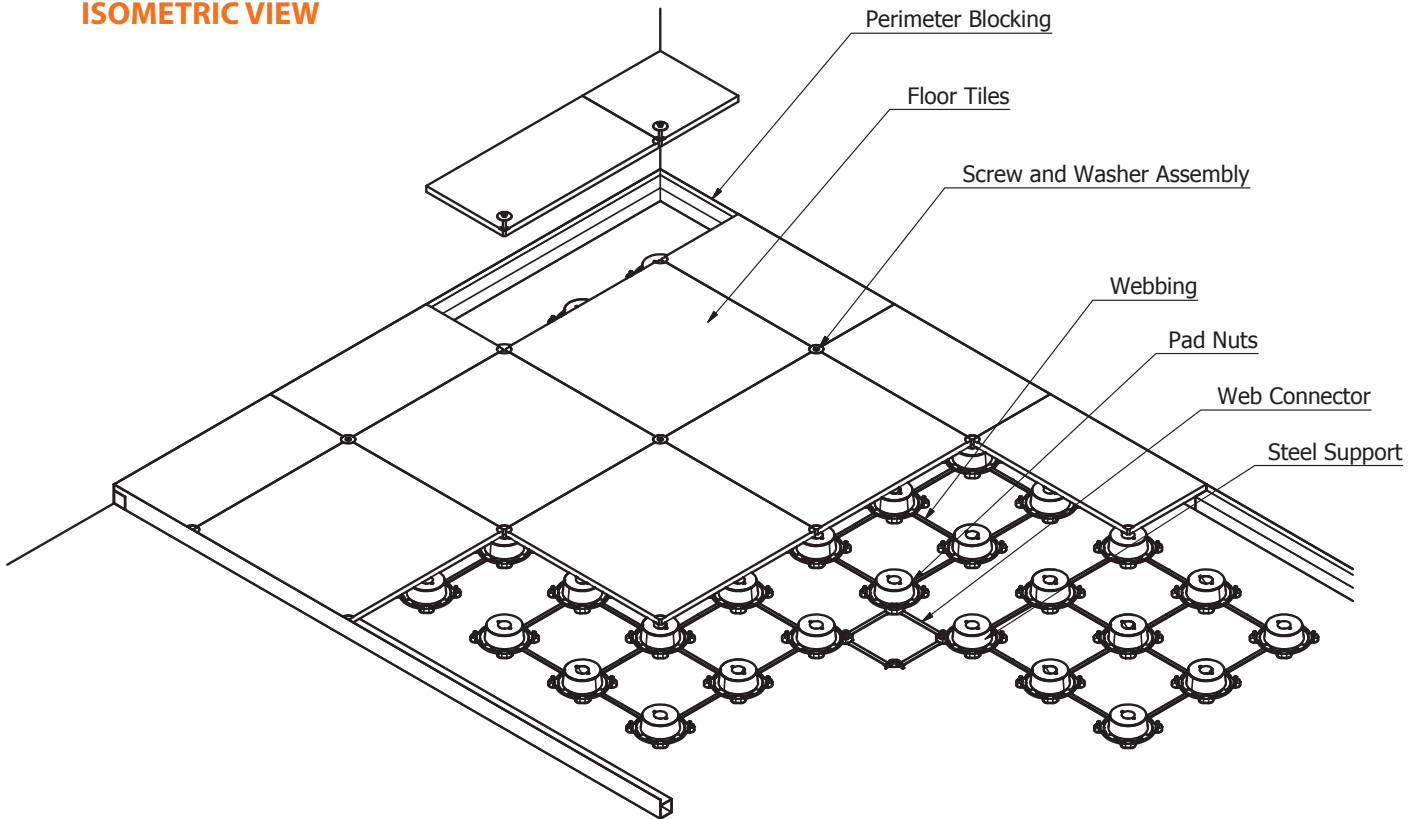


CISCA Test Results					
Property	Test no.	Location	Ultimate Load		Ultimate Failures
			lbf	kgf	
CISCA Section 1 Concentrated Load	1	Middle of Quadrant	897	406.9	Indentor depressed into panel
		Middle of Edge	623	282.6	3" x 7" (76.2 x 177.8mm) section broke off edge
	2	Middle of Quadrant	890	403.7	Board cracked
		Middle of Edge	590	267.6	1" x 2" (25.4 x 50.8mm) section broke off edge
	3	Middle of Quadrant	881	399.6	Indentor depressed into panel
		Middle of Edge	567	257.2	1" x 1" (25.4 x 25.4mm) section broke off edge
	4	Middle of Quadrant	860	390.1	Indentor cracked panel
		Middle of Edge	600	272.2	1" x 1" (25.4 x 25.4mm) section broke off edge
	5	Middle of Quadrant	887	402.3	Panel cracked parallel to edge at indentor
		Middle of Edge	573	259.9	1" x 1" (25.4 x 25.4mm) section broke off edge

ICC-ES AC151 Test Results				
Property	Test no.	Load		Observations
Uniform Load	1	900 psf	4394.2 kg/m ²	No sign of damage
	2	900 psf	4394.2 kg/m ²	No sign of damage
	3	900 psf	4394.2 kg/m ²	No sign of damage
	4	900 psf	4394.2 kg/m ²	No sign of damage
	5	900 psf	4394.2 kg/m ²	No sign of damage
Concentrated Load Over 2 ft x 2ft / 609.6 x 609.6mm	1	10127 lbf	4594 kgf	No sign of damage
	2	10127 lbf	4594 kgf	No sign of damage
	3	10127 lbf	4594 kgf	No sign of damage
	4	10127 lbf	4594 kgf	No sign of damage
	5	10127 lbf	4594 kgf	No sign of damage



ISOMETRIC VIEW



SECTION VIEW

