

Technical Specifications

Application

- General Office
- General Commercial
- _____

- Eliminates Movement / Prevents cracking in tiled and stone areas
- Non-Combustible Core
- Creates a quiet and comfortable underfoot solution
- Ease of maintenance and serviceability with interchangeable panels

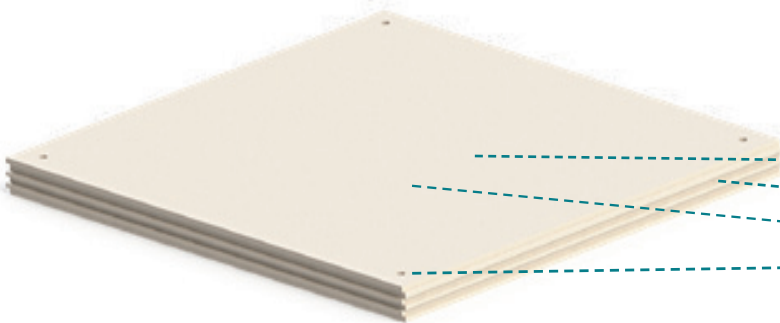
Interlocking Section



Top



Bottom



- High-strength moisture resistant calcium sulphate core
- Interlock edge profile to ensure panels remain locked together
- Excellent static and live load performance
- Screw hole in each corner enabling the panel to be screw fixed

Acoustic Performance

- ASTM E492-09
- Impact insulation class: IIC 55
- Vibration reduction gasket

Panel Surface Finishes

- Bare – Ready to receive any surface finish



Interlocking Edge Detail

Environmental Attributes

- High Recycled Content
- Contributes significantly to Green Star and LEED
- Great Durability and Lifespan

Access Floor Panel

Type:	CST-IL Series Calcium Sulphate Interlocking Panel
Size:	600mm x 600mm ¹
Depth:	<input type="checkbox"/> 30.5mm <input type="checkbox"/> 35.0mm <input type="checkbox"/> 38.0mm
Function:	Completely interchangeable
Construction:	Bare exposed top with reinforcing bottom steel sheet and interlocking edge
Core:	High strength structural calcium sulphate core with excellent loading performance and sound deadening qualities
Tolerance:	Size and squareness tolerance - ±0.5mm. Flatness tolerance - ±0.6mm
Life Span:	+25 years.
Coating:	Galvanized Bottom Steel Sheet
Connection:	Panel interlocks to the adjacent panels and can be screw fixed to the pedestal head at all four corners
Panel Edge:	Interlocking Edge
Finish System:	Bare Panel to receive any finish

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Panel Performance

			Static Performance (kN)				Dynamic Performance (kN) - Cycles		
Panel	Panel (kg)	System (kg/m ²)	Concentrated	Impact	Ultimate	Uniform	10	10,000	40,000
							Wheel size (mm) (75 x 25)	Wheel size (mm) (150mm x 50)	Wheel size (mm) (200 x 75)
<input type="checkbox"/> CST-IL 4.5	17.5	53	4.5	0.66	8.9	23.3	3.6	3.0	2.25
<input type="checkbox"/> CST-IL 5.7	19	58	5.7	0.66	11.1	33	4.5	3.6	2.25
<input type="checkbox"/> CST-IL 6.8	21.3	65	6.8	0.66	13.3	42.6	5.6	4.5	2.25
<input type="checkbox"/> CST-IL 8.9	23	70	8.9	0.77	17.7	49.8	6.7	5.7	2.25

• Deflection: The access floor panels shall have a deflection during application of the specified concentrated load not exceeding 2.0mm with a permanent set deflection not exceeding 0.1mm. The permanent set deflection achieved during application of the specified uniform load shall not exceed 1.0mm.

Factor of Safety

• The access floor will be Heavy-Grade, with a safety factor of two times the concentrated (design) load, and is capable of meeting heavy static and dynamic loads per (PSA) "Method of Building Performance Specification 'Platform Floors (Raised Access Floors)", MOB PF2 PS and BS EN 12825 and Cisca94.

Fire Safety

Classification: Class A (120 min) as per ASTM E84-14
Class A1 as per EN 13501-1
Non-Combustible as per BS 476-4

Panels are to conform to AASTM E84, EN 1366-6:2004 and NFPA 99 for Ignitability, Spread of Flame, Heat Evolved, and Smoke Developed. All panels provide low fire hazard.



Access Floor Pedestal

Base Size: 100mm x 100mm²
 Diameter: 25mm³
 Wall thickness: 1.6mm⁴
 Construction: All steel and aluminium, continuously welded.
 Life Span: +50 years.
 Coating: Phosphate corrosion resistant priming coat.

Epoxy powder coat Chromatised Galvanised

Occupational Health & Safety

Toxicity: None
 Rating: Safe
 Cutting: Non Hazardous

Pedestal Chart

			
	T5 <input type="checkbox"/>	T7 <input type="checkbox"/>	T8 <input type="checkbox"/>
Use	Universal	Universal	Universal
Floor Height (mm)	150 - 600	65 - 250	800 - 2000
Axial Load (kN)	35	35	45
Stringer Use	Optional	Optional	Required
Stringer Type	<input type="checkbox"/> WG6 - Bolted Stringer 		
Used with Bare Panel Finish	Yes	Yes	Yes
Used with HPL and Vinyl Finish	Yes	Yes	Yes
Marble, Ceramic, Timber Finish	Yes	Yes	Yes

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Installation

- The raised access floor system and accessories are to be installed by a suitable installer as certified and approved by Greenhawk who shall be the authorised representative to maintain the integrity and acceptable performance of the floor systems installed.

Preparation: Prior to installation the subfloor must be even, without irregularities, clean, dry, free from construction debris and clear from other trades.

Subfloor The finished surface of the concrete subfloor shall be level with a minimum wood float finish. The level tolerance shall not exceed +/- 10mm from the specified finished concrete subfloor levels.

Installed Level: The installed access floor system shall be level within +/-1.5mm inside a 3 meter radius and +/-2.50mm over the entire floor. The installed floor system shall be rigid and free of rocking panels.

Fit and Finish: The fit and finish of cut panels around perimeters, columns and other such structures or intrusions shall have a maximum gap of 3mm. The raised access floor system shall not rely for its lateral stability on such structures. Cut edges of the panels shall be sealed with a PVA sealer.

- Following completion Greenhawk shall provide a 'Care and Maintenance Manual' which shall provide clear instruction for maintenance personnel and facilities managers on the safe use, cleaning and correct application of the installed access floor system.

- Greenhawk shall not be liable for damage caused to the raised access floor outside as a result of neglect or misuse by other parties.

Environmental Conditions

- The area to receive the installation of the access floor shall be enclosed and maintained within a temperature range of 4°C to 32°C with a relative humidity range of 20% to 70%.

1. Other sizes available including 300mm x 600mm, 24" x 24", 600 x 800mm, custom sizes available on request.
2. Standard base size, T8 uses 150mm x 150mm.
3. Larger diameters available, T8 uses 50mm.
4. Standard tube thickness, larger available, T8 uses 2.5mm.



Greenhawk Building Materials Trading LLC
Business Bay, Dubai, United Arab Emirates
T / +971 4 584 4649
E / sales@greenhawk.ae
W / www.greenhawk.ae