

We understand that flexibility and efficiency equal to long-term value for our customers.

Our modular solutions enable any commercial space to be re-configured quickly and cheaply.

The CF Panel has evolved through technological research and development to bring you a product that sets industry standards, while being produced with recycled steel.

The Unique system design provides additional impact loading protection, enables controlled expansion and uses the latest in sound absorption technology to minimize noise.

The expansion joint system ensures the panel will never rock.



## Application

- General Office
- General Commercial
- Industrial and Heavy Duty Facilities
- Equipment, Server, and Telephone Rooms
- Mission Critical, Control Facilities

## Environmental Attributes



- LEED Rated
- Estidama Rated
- > 50% Recycled Content
- Certified by Green label

## Accoustic Performance



- Superior Noise Isolation
- In built impact noise absorption
- Vibration reduction system

## Panel Surface Finishes

- Bare - Ready to receive any surface finish
- Anti - Static High Pressure Laminate (HPL)
- Vinyl       Rubber       Marble
- Timber       Porcelain       Ceramic

## Fire Safety



Classification: Non Combustible  
 Ignitability: 0  
 Integrity: 60mins  
 Flame Spread: 0  
 Heat Evolved: 0  
 Smoke: 0

- Effect of cutting is negligible on indices.
- Panels conform to ASTM E84-14, BS 476, ASTM E119 and NFPA 75 for Ignitability, Integrity, Spread of Flame, Smoke Developed and Heat Evolved. All Panels are rated as "Zero" Fire Hazard and "Non-Combustible".

## Edge Trim Options

- No Trim       Integral Trim       Printed Edge Trim

## Factor of Safety



The access floor will be Heavy-Grade, with a safety factor of 2.5 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 CISCA.

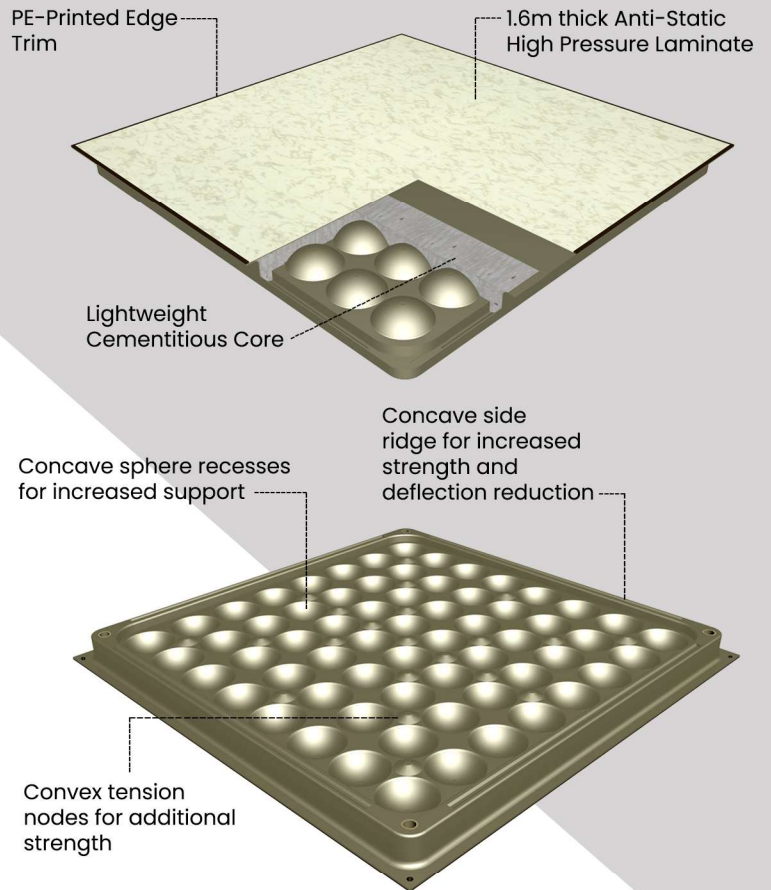
### Panel Specification

The CF Panel is constructed from a welded steel case with an enclosed die formed bottom pan created in a high pressure moulding process without any welded corners. The top sheet is welded to the base with over 110 welds. The panels are in-filled with specially designed light weight cementitious compound.

### Access Floor Panel

- Type: CF Series - Cement filled steel panel.
- Size: 600mm x 600mm<sup>1</sup>
- Depth: 34.5mm
- Function: Completely interchangeable.
- Construction: All steel, pressure formed and welded with 110 welds.
- Core: High strength cement compound with aluminum fibres for added strength with unique sound deadening qualities.
- Tolerance: Size and squareness tolerance- +/-0.25mm.  
Flatness tolerance - +/-0.5mm.
- Life Span: +25 years.
- Coating: Phosphate corrosion resistant priming coat and baked epoxy powder coat finish.
- Connection: Positive engagement, screw fixed with plastic insert to prevent over tightening.
- Panel Edge: Straight Edge with Printed Edge Trim.

<sup>1</sup> Other panel sizes available including 300mm x 600mm, 600mm x 800mm, Custom size available on request.



### Panel Performance

| Panel Type Details |            |                             | Static Performance (kN) |        |          |         | Dynamic Performance (kN) - Cycles |                                     |                                   |
|--------------------|------------|-----------------------------|-------------------------|--------|----------|---------|-----------------------------------|-------------------------------------|-----------------------------------|
| Panel              | Panel (kg) | System (kg/m <sup>2</sup> ) | Concentrated            | Impact | Ultimate | Uniform | 10 Wheel size (mm) (75 x 25)      | 10,000 Wheel size (mm) (150mm x 50) | 40,000 Wheel size (mm) (200 x 75) |
| CF3.7              | 14.0       | 40                          | 3.7                     | 0.55   | 8.9      | 19.8    | 3.0                               | 2.25                                | 2.25                              |
| CF4.5              | 14.6       | 42                          | 4.5                     | 0.67   | 12.0     | 23.3    | 3.7                               | 3.0                                 | 2.25                              |
| CF5.7              | 15.7       | 45                          | 5.7                     | 0.69   | 14.0     | 33.1    | 4.5                               | 3.7                                 | 2.25                              |
| CF6.8              | 17.5       | 50                          | 6.8                     | 0.78   | 16.8     | 42.6    | 5.6                               | 4.5                                 | 2.25                              |
| CF8.9              | 19.8       | 56                          | 8.9                     | 0.89   | 22.3     | 49.8    | 6.7                               | 5.6                                 | 2.25                              |

\* Deflection: The access floor panels shall have a deflection during application of the specified concentrated load not exceeding 2.00mm with a permanent set deflection not exceeding 0.1mm. the permanent set deflection achieved during application of the specified uniform load shall not exceed 2.0mm.

### Pedestal Specification

|                 |  |
|-----------------|--|
| Base Size:      | 100mm x 100mm <sup>2</sup>                     |
| Diameter:       | 25mm <sup>3</sup>                              |
| Wall thickness: | 1.6mm <sup>4</sup>                             |
| Construction:   | All steel and aluminum<br>Continuously welded. |
| Life Span:      | +50 years.                                     |
| Coating:        | Phosphate corrosion resistant<br>priming coat. |

- Epoxy Powder Coat
- Chromatised
- Galvanised



Levelling: Twin Locking Nut System

2. T8 uses 150mm x 150mm.
3. T8 uses 50mm.
4. T8 uses 2.5mm.



### Pedestal Chart



| Pedestal Types                 | <input type="radio"/> T7   | <input type="radio"/> T4 | <input type="radio"/> T6   | <input type="radio"/> T8 |
|--------------------------------|--|--------------------------|--|--------------------------|
| Use                            | Universal  | Universal                | Universal  | Universal                |
| Floor Height (mm)              | 65-150   | 150-600                  | 150-1000   | 800-2000                 |
| Axial Load (kN)                | 30   | 30                       | 35   | 45                       |
| Stringer Use                   | Required   | Required                 | Required   | Required                 |
| Stringer Type                  | <input type="radio"/> <b>SG6 - Bolted Stringer - Field</b>  |                          | <input type="radio"/> <b>WG6 - Bolted Stringer - Perimeter</b>  |                          |
| Panel Expansion                | No   | No                       | No   | No                       |
| Accoustic Reduction            | No   | Yes                      | No   | No                       |
| Used with Bare Panel           | Yes  | Yes                      | Yes  | Yes                      |
| Used with HPL & Vinyl Finish   | Yes  | Yes                      | Yes  | Yes                      |
| Marble, Ceramic, Timber Finish | Yes  | Yes                      | Yes  | Yes                      |

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

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

**Installed Level:** The Installed access floor system shall be level within  $\pm 1.50\text{mm}$  inside a 3 meter radius and  $\pm 2.50\text{mm}$  over the entire floor. The installed floor system and shall be rigid and free of rocking panels.

**Subfloor:** The finished surface of the concrete subfloor shall be level with a minimum wood float finish. the level tolerance shall not exceed  $\pm 10\text{mm}$  from the specified finished concrete subfloor levels.

**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 Green Hawk shall issue 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 Green Hawk access floor system.

- Green Hawk 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%.

### Occupational Health & Safety

|          |               |
|----------|---------------|
| Toxicity | None          |
| Rating   | Safe          |
| Cutting  | Non Hazardous |

