



Data Center

Product Catalog

For almost 40 years, Access Floor Systems has been providing durable, cost-effective and energy-efficient raised floor systems.

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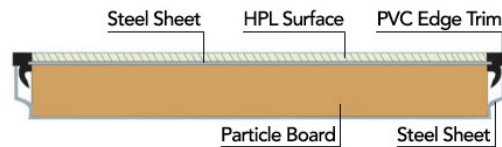
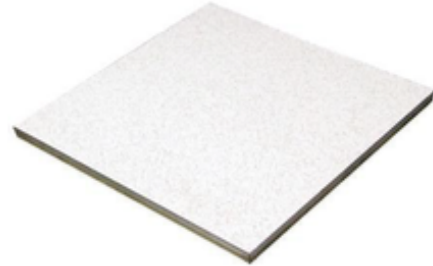
Woodcore Replacement Panel

AFP685 **AFP685B = BARE** **AFP685XL = 1/8" HPL**

Fits Traditional Woodcore System

Original woodcore panels manufactured from a high density composite woodcore block encased in formed galvanized steel sheets.

- Lightweight, quiet and economical.
- Class A flame spread rating.
- Static dissipative high pressure laminate surface.
- Grey Starlite/Cheyenne matching color with 1/16" laminate for a total panel thickness of 1 1/8".
- Available in 24" size.



Ultimate Load		Concentrated Load		Impact Load		Rolling Load 10-PASS		Rolling Load 10,000-PASS	
lb.	(kN)	lb.	(kN)	lb.	(kN)	lb.	(kN)	lb.	(kN)
3000	(13.34)	1250	(5.56)	150	(0.67)	1000	(4.45)	800	(3.55)

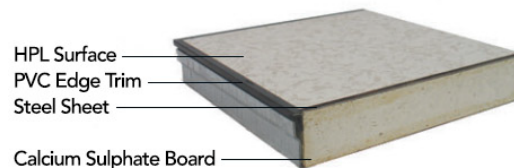
Calciumcore Replacement Panel

AFP585

Fits Traditional Woodcore System

High density calcium sulphate core is more resistant to moisture than woodcore and not subject to swelling and subsequent delamination caused by an uneven surface.

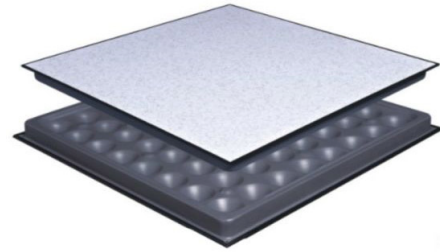
- Less susceptible to delamination issues.
- Class A flame spread rating.
- Static dissipative high pressure laminate surface.
- Grey Starlite/Cheyenne matching color with 1/16" laminate for a total panel thickness of 1 1/8".
- Available in 24" size.



Ultimate Load		Concentrated Load		Impact Load		Rolling Load 10-PASS		Rolling Load 10,000-PASS	
lb.	(kN)	lb.	(kN)	lb.	(kN)	lb.	(kN)	lb.	(kN)
3000	(13.34)	1250	(5.56)	150	(0.67)	1000	(4.45)	800	(3.55)

Concrete Filled Replacement Panel

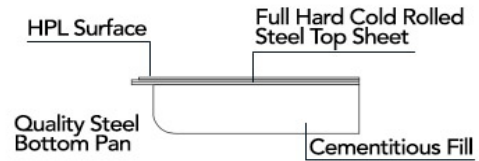
AFP770 AFP770XL = 1/8" HPL



Fits Traditional Bolted Stringer System

Tough raised floor panels with an all steel welded construction filled internally with a cementitious core material that offers excellent rolling and ultimate load performance.

- Excellent grounding and electrical continuity.
- Completely non-combustible.
- Static dissipative high pressure laminate surface.
- Grey Starlite/Cheyenne matching color with 1/16" HPL.
- Available in 24" size.



Ultimate Load		Concentrated Load		Impact Load		Rolling Load 10-PASS		Rolling Load 10,000-PASS	
lb.	(kN)	lb.	(kN)	lb.	(kN)	lb.	(kN)	lb.	(kN)
3900	(17.35)	1250	(5.56)	175	(0.78)	1000	(4.45)	800	(3.55)

Hollow Steel Replacement Panel

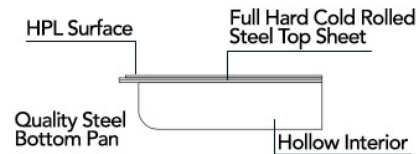
AFP870



Fits Traditional Bolted Stringer System

Hollow steel replacement panels also offer excellent rolling and ultimate load performance with a full hard cold rolled steel top sheet and draw quality steel bottom pan with structural dome design.

- Excellent grounding and electrical continuity.
- Completely non-combustible.
- Static dissipative high pressure laminate surface.
- Grey Starlite/Cheyenne matching color with 1/16" HPL.
- Available in 24" size.



Ultimate Load		Concentrated Load		Impact Load		Rolling Load 10-PASS		Rolling Load 10,000-PASS	
lb.	(kN)	lb.	(kN)	lb.	(kN)	lb.	(kN)	lb.	(kN)
4500	(20.02)	1250	(5.56)	150	(0.67)	500	(2.22)	500	(2.22)

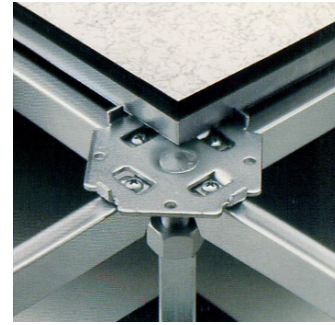
MetalTec Replacement Panel

AFP450

Fits Old Tec-Core & Tec-Crete System

Solid metal replacement panel for the old Tec-Cor and Tec-Crete access floor system with retro style C-Trim to fit correctly on obsolete octagonal pedestals.

- New panels rated above the industry standard at 1500 lbs.
- Retro style C-Trim.
- Static dissipative high pressure laminate surface.
- Grey Starlite/Cheyenne matching color with 1/16" laminate for a total panel thickness of 1 1/8".
- Available in 24" size.



Ultimate Load		Concentrated Load		Impact Load		Rolling Load 10-PASS		Rolling Load 10,000-PASS	
lb.	(kN)	lb.	(kN)	lb.	(kN)	lb.	(kN)	lb.	(kN)
3000	(13.34)	1250	(5.56)	150	(0.67)	1000	(4.45)	800	(3.55)

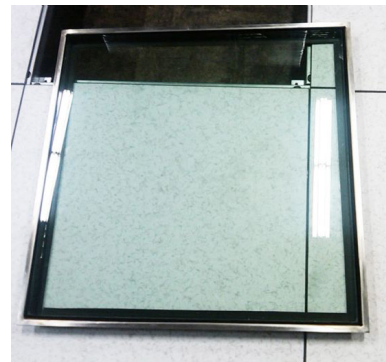
Tempered Glass Replacement Panel

AFPGLASS

Fits Traditional Bolted Stringer System

Tempered scratch-resistant glass access floor panel with a brushed stainless steel frame/flange allows for an easy way to monitor underfloor activity without the hassle of constantly lifting tiles.

- New panels rated above industry standard at 1500 lbs.
- Non-acrylic and easy to clean.
- Glass insert is 22" x 22" almost the entire panel.
- Overall 1.5" industrial-grade thickness.
- Available in 24" size.



Ultimate Load		Concentrated Load		Impact Load		Rolling Load 10-PASS		Rolling Load 10,000-PASS	
lb.	(kN)	lb.	(kN)	lb.	(kN)	lb.	(kN)	lb.	(kN)
3000	(13.34)	1250	(5.56)	150	(0.67)	1000	(4.45)	800	(3.55)

Custom Replacement Panels



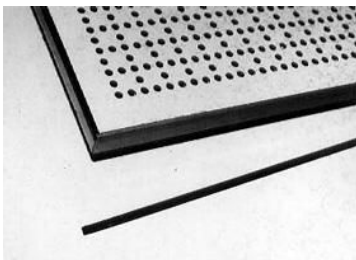
We can match anything.

No matter how old your current floor system is or what type of panels you need, we have a replacement option for you.

Through our [Panel IDC Database](#) process where you send us photos of your existing panels and system, our team of experts will identify exactly what you need.

These **custom panels** could be any of the following manufacturers: USG, Donn, Tate, ASM, Camino, Liskey, ASP, Hitachi, Waco, GHP, Besco, Bravo, Maxcess, Atlantic, Bergvik, TecCore, TecCrete, Concore, Westinghouse, Floating Floors, Severn, Interface, CEI, Computer Environments, CTEC, Weber, Mult-A-Frame or Haworth.

Replacement Edge Trim & HPL

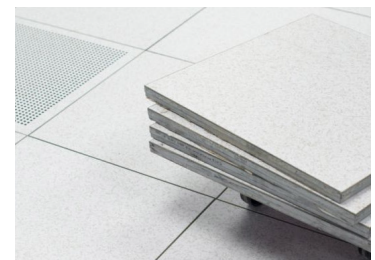


Replacement Edge Trim

9ET

Individual replacement pieces are available for repairs in the field.

- **Edge trim** is the thin black or brown plastic strip applied to the edge of the panel to protect the surface covering from chipping.
- **High pressure laminate** sheets are available in 1/16" or 1/8" thickness and in a variety of colors in addition to the most popular Gray Starlite/Cheyenne.



Replacement High Pressure Laminate

HPLTBD

Understructure Components

Pedestal for
All Steel &
Concrete Filled
System

PCFB



Pedestal for
Woodcore &
Calcium Sulphate
System

PWCB



Pedestal assembly from 6" up to 36" FFH shall provide a 6000 pound axial load without permanent deformation. The base is a flat plate welded to a square tube. The head has an all-thread rod welded to a flat plate with 8 holes. The all-thread rod is inserted into the tube and the height is adjusted with a locking nut. Specialty **Pedestal Adhesive** is used to adhere access floor bases to the subfloor.

- Pedestal head: 11 gauge die formed galvanized steel (Note: 8 gauge for woodcore).
- Pedestal base: 4" x 4" hot dipped galvanized steel. Tube size is 7/8" X 16 gauge. 4 ea. 7/16" diameter holes for mechanical fastening applications.



Stringer for All Steel &
Concrete Filled System

SCFB



Stringer
Screw

SSAFSSC / SSAFSWC



Stringer for Woodcore &
Calcium Sulphate System

SWCB

Stringers are steel rods that form a basic grid which provides lateral stability for raised floors and supports the panels. **Raised Floor Kits** include panels, pedestals, stringers, screws and adhesive -- everything needed to install a new raised floor system.

- Heavy duty roll formed steel stringer will withstand 450 pound mid span load.
- Galvanized to prevent corrosion. Stringers available in a 2' or 4' length.

-- In **woodcore** systems, panels sit on top of the stringers.

-- In most **all steel** and **concrete filled** systems, the panels nest inside the grid.

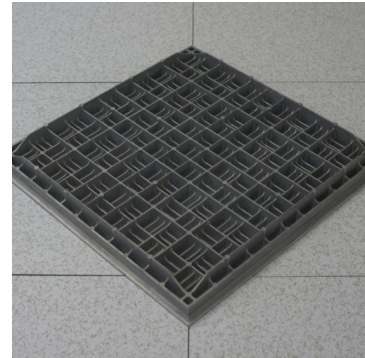
High Velocity Grates | Perfs



**56% Heavy Duty
Airflow Grate**
AG56G & AG56W

High velocity, 56% die-cast Aluminum Air Grate delivers strategic air flow into a data center cold aisle. Available in both Gray and White, with or without optional damper. Damper can be adjusted from the top to restrict airflow by up to 100%.

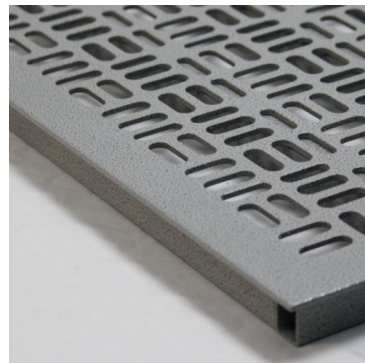
- 56% open area for high-volume airflow.
- Has the capacity to cool up to 16kW per rack.
- Ability to perform the same amount of cooling as 3 perforated panels in contained aisles.
- Available in 24" size.
- Design Load of 1000 lbs.



32% Airflow Grate
AG32G

High velocity, all-steel grate with 32% open area that offers an intermediate amount of air delivery, while maintaining high strength and additional flexibility when balancing and cooling in the data center.

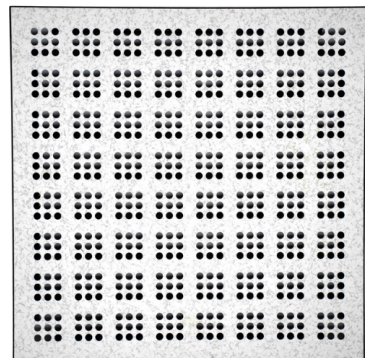
- 32% open area for high-volume airflow.
- Has the capacity to cool up to 16kW per rack.
- **Green rated**, uses 82% recycled material.
- Available in 24" size.
- Concentrated Load: 1500 lbs and Ultimate Load: 4500 lbs.



**28% Perforated Panel for
Steel & Concrete Systems**
PERF6

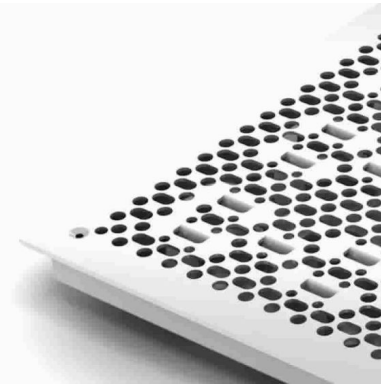
Standard perforated raised floor panels are dispersed among solid data center floor tiles to allow cold air flowing from air handling units to rise through the floor to server racks to cool hot equipment.

- 28% open area.
- Surface covering: Gray Starlite High Pressure Laminate.
- Available with or without dampers.
- Available in 24" size.
- Load ratings:
 - 1500 lbs. for **Steel/Concrete**
 - 1500 lbs. for **Woodcore PERF6**
 - 1000 lbs. for **Woodcore PERF6**



**28% Perforated Panel for
Woodcore System**
PERFW & PERFB

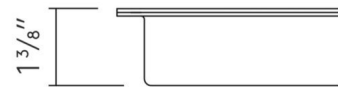
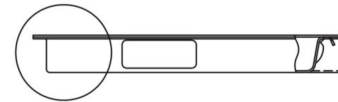
Tate® Airflow Collection



Tate **DirectPerf 32%**
DPERF32

In uncontained spaces, directional airflow provided by a DirectPerf 32% panel provides nearly the same cooling capacity as a standard 56% open area grate using about half the airflow. The angled airflow toward the server rack significantly improves energy efficiency and reduces bypass air.

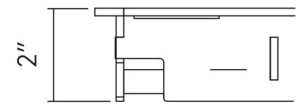
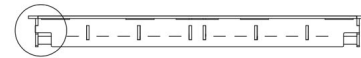
- 32% open area for high-volume airflow.
- Cool up to 8 kW with 1285 CFM @ .10" H₂O.
- Can save over 40% in annual fan energy without the use of containment.
- Available in 24" size.
- Design Load of 1250 lbs.



Tate **DirectAir®**
DAW

Strong, efficient, high capacity Directional Airflow Panel angles airflow toward equipment achieving a 93% Total Air Capture Rate, providing the highest cooling capacity and energy efficiency of any airflow panel on the market.

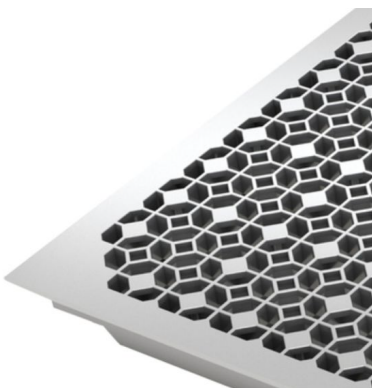
- 68% open area for high-volume airflow.
- Cool over 19 kW with 2850 CFM @ .10" H₂O.
- Designed for a one-to-one pairing with a standard 42U rack.
- Available in 24" size.
- Design Load of 2500 lbs.



Alternate versions available:

-- **DirectAir X2** - Designed for use in cold aisles that are only one airflow panel wide.

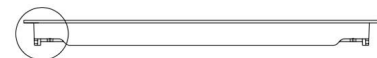
-- **DirectAir AL** - All aluminum and 40% lighter with 1500 lbs design load and 60% open area.



Tate **GrateAir®**
GAW

High velocity, die-cast aluminum grate with 56% unobstructed area. The high strength, low weight, all aluminum construction makes it the ideal solution for use in contained aisles with high foot traffic and has the ability to perform the same amount of cooling as 3 perforated panels.

- 56% open area for high-volume airflow.
- Cool up to 16 kW with 2100 CFM @ .10" H₂O in a contained aisle.
- Single-zone and Multi-zone Opposed Blade Damper control options available.
- Available in 24" size.
- Design Load of 1000 lbs.



Grommets



KoldLok®
4" Round & 6" Round
Brush Grommet
K40001 & K40003

KoldLok® Round brush grommets feature Hybrid Brush Technology, making them the premium choice for your facility.

- Revolutionary sealing technology greatly reduces costly bypass air-flow, increasing usable cooling unit capacity, and ensuring maximized efficiency from HVAC equipment.
- Energy-efficient airflow management device designed to seal cable openings in new and existing raised floor systems.



- Split design allows for installation or removal without disturbing cables. Self-drilling screws included.



KoldLok® Integral 1010
Raised Floor Grommet
K1010

A cost-effective airflow and thermal management solution, the K1010 reduces the need to purchase additional cooling units, improving equipment reliability and extending equipment life.

- Designed to seal openings in new raised floor cutouts prior to the installation of communications or power cabling.
- Increases static pressure under the raised floor and improves cool air delivery through perforated tiles and floor grates.



3", 4" & 5" Grommet
AFSG3, AFSG4 & AFSG5

Additional heavy duty round grommets available.



Swirl Diffuser
AFSD

Delivers conditioned air from pressurized plenum into the work space. Can be manually controlled for volume & direction, easily controllable and user friendly.

- A "drop-in" type of diffuser which mounts easily into the top of an access floor panel.
- Designed to produce a low velocity helical air discharge when used in pressurized plenums for UFAD.

Additional Containment Accessories available:

KOLDLOK®
 Raised Floor Airflow Management

HOTLOK®
 Rack Airflow Management

ATSLELOK™
 Aisle Airflow Management

Cleaner and Lifters



**RISE Access Floor
Cleaner**
RCS

For over 30 years, this product has been the industry standard for computer floor cleaning. It was formulated by a leading chemist to be used exclusively on access floor panels with a hard surface covering (high pressure laminate). It enhances the static dissipating properties of access flooring, and also removes the typical soils found on these floors. (Ink toner, hardened surface soils, etc.)

- RISE has been tested and approved by leading manufacturers of high pressure laminate and used for over 3 decades. It is safe and highly effective.
- Use it on a regular basis to keep your floor static-free and looking great!



**Raised Floor Panel Lifter
5 Inch Heavy Duty**
DSCPL5

Safely and easily lift solid raised floor panels for manual handling.

- **5 Inch Heavy Duty** Lifter has two black 5" rubber cups mounted on a solid aluminum die-cast handle.

Perforated airflow panels require a special type of lifter due to the lack of solid surface area.

- Heavy-duty steel **Perforated Panel Lifter** has a Cushioned T-handle that is specially designed for use with ventilated panels.



**Perforated
Panel Lifter**
PPL



**Deluxe Standing
Panel Lifter -
BackSaver Edition**
DPL

One of the newest innovations in panel lifting, standing devices are designed so the user can stand and not have to bend or kneel down when lifting and replacing access floor panels.

- Can be used to both lift and move raised floor panels.
- Standing lifters include an ergonomic handle, advanced pressure release technology and two 5" black rubber suction cups.



**StandUp Floor
Panel Lifter with
Double 5" Cups**
DPL33

Contact Information

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"Whether your floor is old or new, we have a panel just for you."

