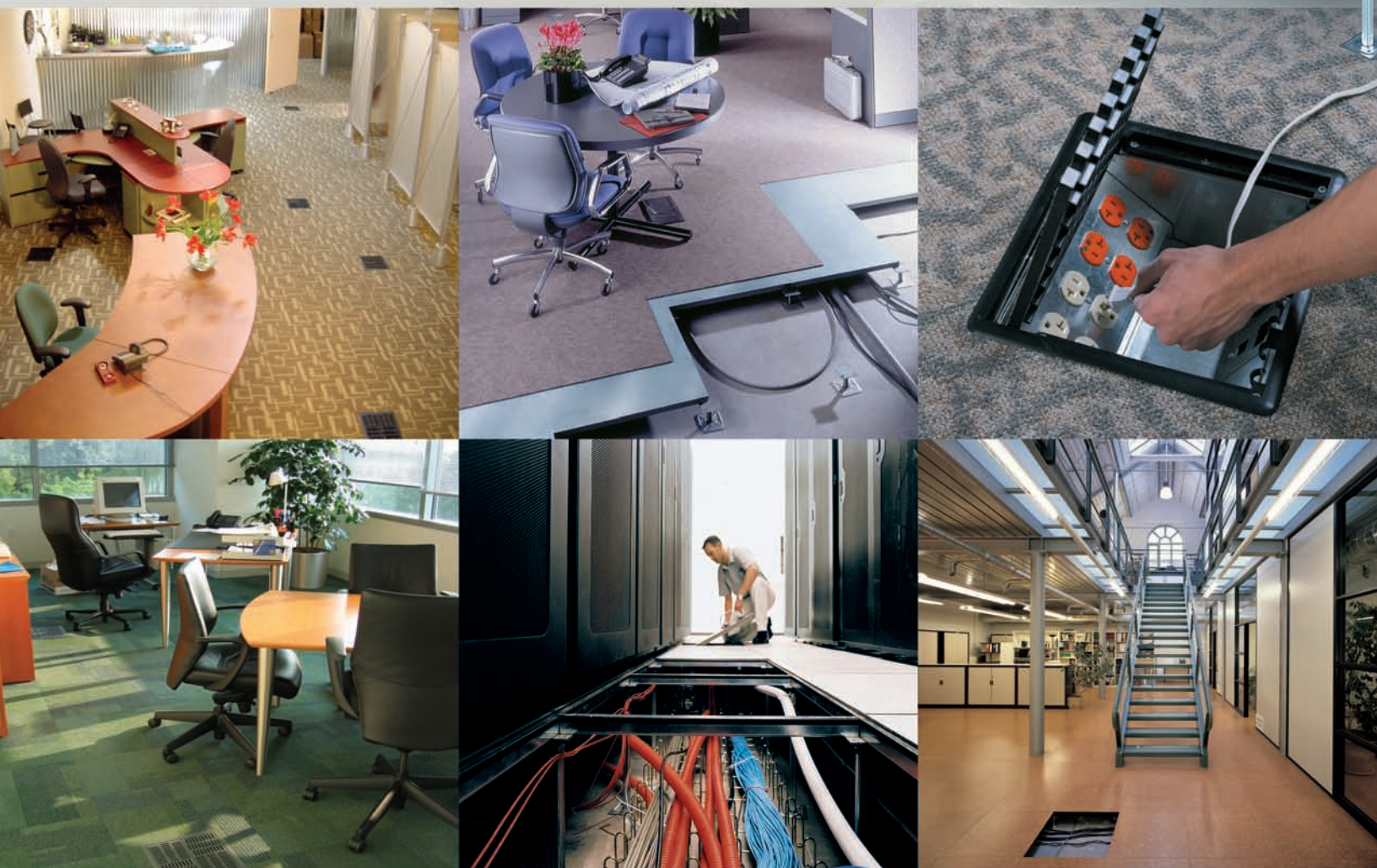


# Access Floor Solutions

## Product Guide



*SustainAbility*  
to the *Power* of **Tate**®





**Owner Occupied Office:** Letterman Digital Arts Center,  
San Francisco, CA, 865,000 ft<sup>2</sup>



**Developer/Multi-Tenant:** Buchanan Partners,  
Bowie Corporate Center, Bowie, MD, 125,000 ft<sup>2</sup>

# Tate Access Floors & SustainAbility

Social and environmental responsibility have long been key corporate objectives within Tate. Through continuous improvements and focus our **Ability** to **Sustain** our environment, customers, community and company is stronger today than it has ever been.

**Environment:** Over the years Tate has taken many initiatives to reduce the environmental impact of our manufacturing process from reducing energy usage through automation, significantly reducing VOC's from the paint line and implementing a 100% grey water recycling system on the auto-fill line. Our quest for continual improvement has recently lead us to ISO 14001:2004 & ISO 9001:2000 certifications and membership in the EPA's Climate Leaders program to set aggressive goals for reducing our GHG emissions.



**Owner Occupied Office:** Premier Automotive Group, Irvine, CA, 253,000 ft<sup>2</sup>



**High Performance and Sustainable:** Great River Energy, Maple Grove, MN, 166,000 ft<sup>2</sup>



**Customers:** Tate is committed to providing the best quality access floors in the world by requiring stringent product performance and consistency criteria from both its manufacturing operations and partners. With the continued addition of sustainable technology and capacity in our fully owned manufacturing facilities, coupled with international manufacturing agreements we ensure our ability to respond to our customer's needs quickly and efficiently delivering on-time shipment of material at a rate needed to support any size installation.

Access flooring and underfloor service distribution offer a more sustainable solution for the design and construction of commercial buildings. The distribution of HVAC, electrical power, voice and data cabling and other utilities underneath an accessible modular floor offers enhanced energy-efficiency, life-cycle material savings, configuration flexibility and sustainability.



**Community:** As an advocate of green construction we support both our business and local community through participations in key organizations, ethical procurement and supply chain management and social responsibility



**Company:** Tate is ensuring the sustainability of our company through our graduate recruitment and mentoring program and by giving each employee adequate training in sustainability issues. Being sure that everyone from key suppliers to installation contractors are fully involved in helping maintain the **SustainAbility** of Tate.

To learn more about Tate's **SustainAbility** visit us online at [www.tateaccessfloors.com/sustainability.aspx](http://www.tateaccessfloors.com/sustainability.aspx)



# Technical Resources: Design & Resource Support

Tate offers a variety of avenues to access our unsurpassed technical assistance and support from design through construction completion. Draw upon our unmatched breadth of experience using one or more of our valuable resources.

## 'Tate Technical Hotline'

Dial 800.231.7788 e-mail [tateinfo@tateaccessfloors.com](mailto:tateinfo@tateaccessfloors.com) to consult directly with our engineers.



## Design & Specification Guide

A comprehensive resource for architects and specifiers complete with full product details, architectural drawings and specifications in CSI format.



## On-Site & On-Line Education

AIA, IFMA and IDCEC continuing education credits are available through on-site underfloor service distribution presentations by Tate professionals, or by visiting [www.aecdaily.com](http://www.aecdaily.com) and searching for the Tate underfloor service distribution continuing education program.



## Plenum Integrity Guides

Trade specific guides for properly designing sealing inspecting and commissioning underfloor air distribution systems are available for the architect, general contractor, and commissioning agent.



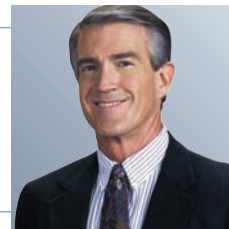
## Interactive Cost Model

Use this tool to create customized cost comparisons of conventional overhead service distribution versus access floor and underfloor services. Contact us for a demonstration.



## Dealer Network

Tate's worldwide team of dealers will assist you with your building needs. Find a dealer in your area by clicking on contacts at [www.tateaccessfloors.com](http://www.tateaccessfloors.com).



## High Performance & Sustainable Building

As a member of the US Green Building Council, Tate participates in supporting the goals of creating a healthy environment. Contact a Tate LEED™ Accredited professional to find out how underfloor service distribution contributes to achieving points in three of the five rating categories that will LEED™-certify your building or visit our website at [www.tateaccessfloors.com/tate\\_leed.aspx](http://www.tateaccessfloors.com/tate_leed.aspx)



## Comprehensive Website

Find everything you need from detailed product information, technical support documentation and specifications to industry links, project case studies and more at [www.tateaccessfloors.com](http://www.tateaccessfloors.com).



Visit [www.tateaccessfloors.com](http://www.tateaccessfloors.com) or call the **Technical Services Team** at 800.231.7788.



**Courthouse:** E. Barrett Prettyman Courthouse,  
Washington D.C., MD, 120,000 ft<sup>2</sup>



**Higher Education:**  
Northern Arizona University  
Applied Research & Development,  
Flagstaff, AZ,  
60,000 ft<sup>2</sup>

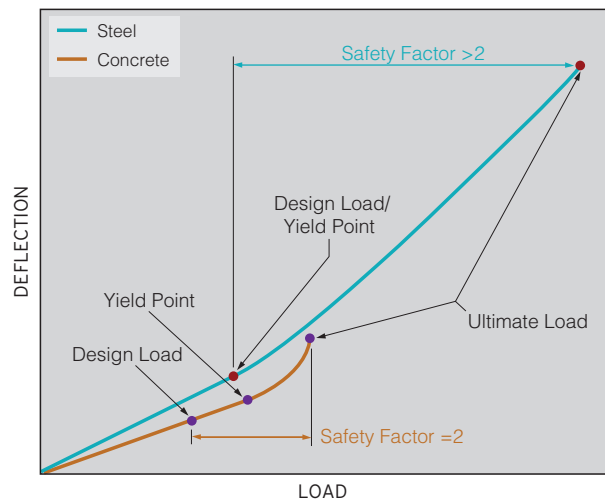




# Important Load Criteria and Key Features

Important criteria such as design loads and safety factors are often over-looked when evaluating an access flooring system. The design load, often referred to as the safe working load, is not the same as a concentrated load because it represents a system test rather than a panel test. The system test evaluates two critical requirements, yield point and ultimate load. This is important

**Steel and Concrete Mode of Failure**



because some materials used to make access floors show little or no visible damage before failing. A panel that fails without warning can be very dangerous in the event that it is overloaded.

Different materials fail in different ways. The chart below compares steel with concrete, two common materials used in access floor panels. As you can see steel will bend significantly before failing providing additional warning and safety.

## Load Definitions

**Yield Point** - The Yield point is the load at which permanent damage to the system begins to occur.

**Ultimate Load** - The maximum load that can be applied to the system without failure or falling through the floor.

**Design Load<sup>1</sup>** - The safe working load that can be applied to the system determined by choosing the smaller value of the ultimate load divided by a safety factor of two or the yield point.

**Safety Factor<sup>2</sup>** - The multiple of the design load to the ultimate load.

1 For more information on design load visit Tate's website and click on Resources / Technical Bulletins.

2 The American Society of Civil Engineers (ASCE) and The American Institute of Steel Construction (AISC) recommend a safety factors for collapse of two.

	Key Features	ConCore System (Explanation and/or benefit)
Design Features	Panel Construction	Flat steel top sheet welded 156 times to a waffle shape bottom sheet then filled internally with lightweight cement.
	Recycled Content	32% recycled content, Over 10% post-consumer.
	Positive Engagement	Tate's PosiLock® pedestal head positions and retains panels in place without screws.
	Zinc Whiskers	All components of system are zinc whisker free.
	Combustibility*	All components are noncombustible.
	Corner Screws	Screws do not extend below panel underneath. Screws are designed with retention feature.
	Finish Options	Almost unlimited factory laminated finish options. PosiTile® carpet & Integral Trim® edge for HPL.
Performance	Walkability*	Quiet & solid underfoot with a sound transmission of 53 NNIC.
	Design Load	New requirement that provides critical information (yield point and ultimate load) regarding system performance.
	Overload Protection*	System yields gradually for built in safety.
	Panel Strength Options	5 interchangeable panel strengths, meet all the requirements of a modern office building.
	Cutout Strength*	System maintains design load strength when cut.
Plenum	Air Leakage*	Straight, die cut panel edges yield low and predictable panel seam air leakage rates.
	Plenum Divider	Attaches to pedestals maintaining underfloor access. Adjustable to meet any width requirement.
	Clean Air Plenum	Painted steel panels with tight seams minimize dust and debris entering the air delivery plenum.
Service & Usability	Industry Commitment	Tate is the oldest and largest manufacturer dedicated solely to the R&D and marketing of access flooring.
	Lifting & Handling	Easy to carry with one hand and can be removed with a suction cup lifter. Panels are 25% lighter than concrete panels.
	Shock Resistance	Fully encapsulated steel shell designed to resist damage when dropped.
	Cracking & Reuse	Steel panels are free from unsightly cracks which improve life cycle and reuse.
	Edge Design	Thin edge design eliminates adhesives from leaking between panels locking them place.
	Ease of Cutting	Steel panel filled with cement cuts without special blades.
	Attaching Walls	Screws and shot-pin can be driven directly into the panel without sacrificing it's integrity

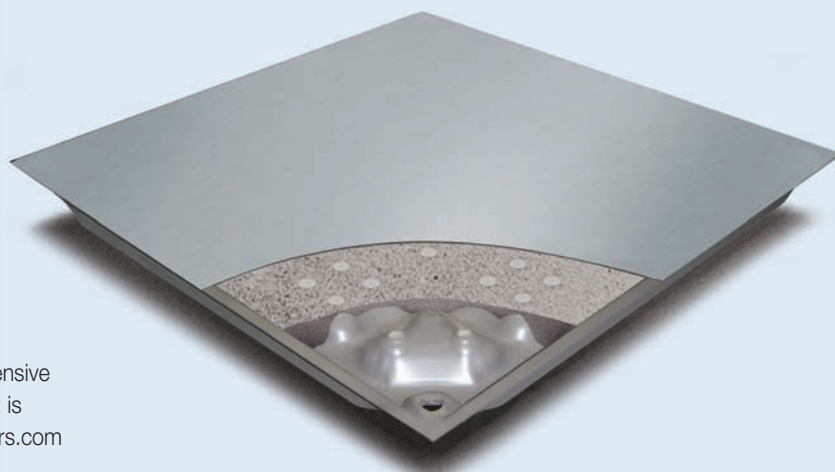
\*Independently certified test reports are available upon request.

# ConCore® Panels

Concore Access Floor panels are epoxy coated unitized shells consisting of a flat steel top sheet welded to a formed steel bottom sheet filled with a highly controlled mixture of lightweight cement. Manufactured to exacting tolerances, these non-combustible rigid, solid panels deliver the ultimate in strength, durability, and acoustic performance.

## Applications

With five standard load performance grades and an extensive selection of understructure supports and floor finishes, it is recommended that you visit our website: [tateaccessfloors.com](http://tateaccessfloors.com) for further information on product details, finish options, architectural details, system specification, and selecting the proper panel to meet the needs of your specific application.



**Library:** East Atlanta Library, Atlanta, GA, 6,000 ft<sup>2</sup>



**Renovation:** Bick Group Headquarters, St. Louis, MO, 29,000 ft<sup>2</sup>

## ConCore® Performance Selection Chart

System Performance Criteria* (Tested on Actual Understructure)								
Panel	Understructure	System Weight (lbs/ft <sup>2</sup> )	Static Loads			Rolling Loads		Impact Loads (lbs)
			Design Loads (lbs)	Safety Factors (min 2.0)	Uniform Loads (lbs/ft <sup>2</sup> )	10 Passes (lbs)	10,000 Passes (lbs)	
ConCore® 1000	PosiLock®	8.0	1000	PASS	350	800	600	150
ConCore® 1250	PosiLock®	8.5	1250	PASS	400	1000	800	150
ConCore® 1000	Bolted Stringer	9.0	1000	PASS	350	800	600	150
ConCore® 1250	Bolted Stringer	10.0	1250	PASS	400	1000	800	150
ConCore® 1500	Bolted Stringer	10.5	1500	PASS	450	1250	1000	150
ConCore® 2000	Bolted Stringer	11.5	2000	PASS	550	1500	1250	150
ConCore® 2500	Bolted Stringer	12.0	2500	PASS	650	1500	2000	150

\*System load definitions and test procedure descriptions can be found in the Standard Product Tests and Methodology Guide located in the Resources section of Tate's web-site, [www.tateaccessfloors.com](http://www.tateaccessfloors.com).

# All Steel Panels

All Steel Access Floor panels are epoxy coated unitized shells consisting of a flat steel top sheet welded to a formed steel bottom sheet. Manufactured to exacting tolerances, these non-combustible rigid, solid panels deliver the ultimate in strength and durability with the convenience of lightweight construction.

## Panel Features

- The safe working load or design load for the panels are equal to the concentrated load
- Lightweight for ease of handling
- Excellent grounding and electrical continuity
- Full range of factory applied finishes
- Completely non-combustible
- Interchangeable with Concore, Perforated, and Grate panels
- Available in 24" and 60cm sizes
- Zinc whisker free



## Applications

With three standard load performance grades and complete interchangeability with Concore, Perforated and Grate airflow panels, these panels coupled with an extensive selection of understructure supports and floor finishes are suitable for a wide range of applications from typical data/computer centers to telecommunication rooms, mission critical facilities, electronic assembly areas, and general purpose equipment applications.



**Mission Critical Facilities:** Inflow, Denver, CO



**Co-Location Data Centers:** 365 Main Inc., Oakland, CA, 80,000 ft<sup>2</sup>

## All Steel Performance Selection Chart

System Performance Criteria* (Tested on Actual Understructure)								
Panel	Understructure	System Weight (lbs/ft <sup>2</sup> )	Static Loads			Rolling Loads		Impact Loads (lbs)
			Design Loads (lbs)	Safety Factors (min 2.0)	Uniform Loads (lbs/ft <sup>2</sup> )	10 Passes (lbs)	10,000 Passes (lbs)	
All Steel 1000	Bolted Stringer	6.0	<b>1000</b>	<b>PASS</b>	350	400	400	150
All Steel 1250	Bolted Stringer	7.0	<b>1250</b>	<b>PASS</b>	400	500	500	150
All Steel 1500	Bolted Stringer	8.5	<b>1500</b>	<b>PASS</b>	450	600	600	150

\*System load definitions and test procedure descriptions can be found in the Standard Product Tests and Methodology Guide located in the Resources section of Tate's web-site, [www.tateaccessfloors.com](http://www.tateaccessfloors.com).



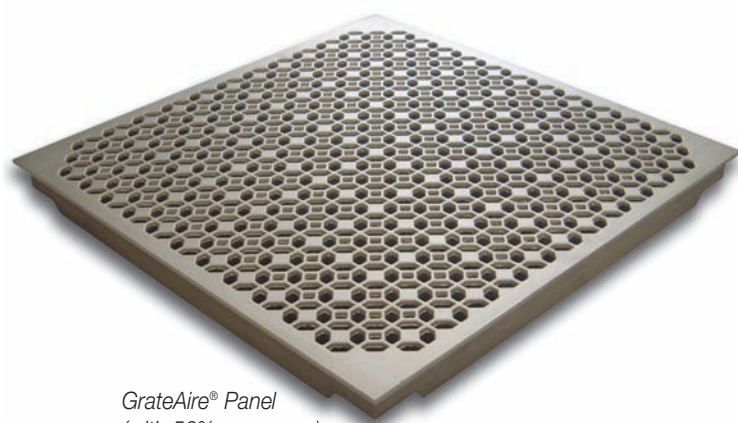
# Air Flow Panels

for ConCore and All Steel Systems

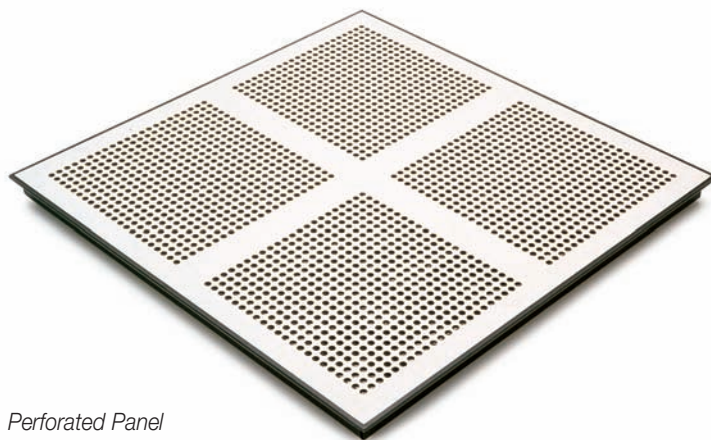
## GrateAire® & Perforated Panels

### Panel Features

- Perforated steel panels and GrateAire® aluminum panels are compatible with ConCore® and All Steel panels in bolted stringer systems.
- GrateAire® die-cast aluminum panels have 56% unobstructed open area and rolling load capacity equal to that of ConCore® 1250 panels (1000 lbs/800 lbs).
- All panels are available with top surface adjustable damper.
- Steel perforated panels are available with High Pressure Laminate, vinyl and rubber floor coverings.
- GrateAire® aluminum panels are available with an unpainted textured surface or epoxy powder coatings.

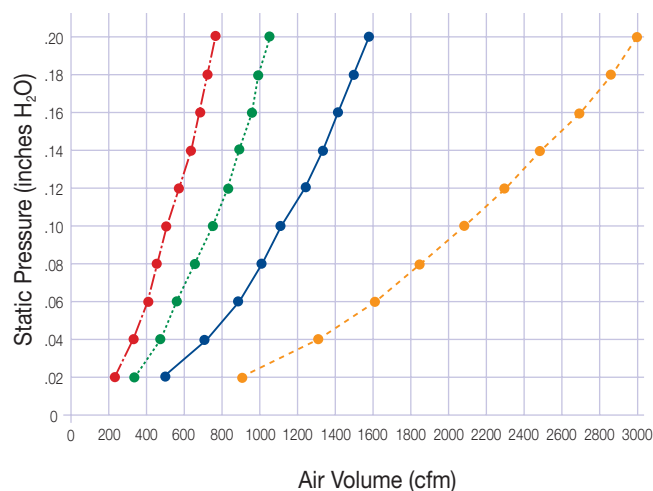


GrateAire® Panel  
(with 56% open area)



Perforated Panel  
(with 25% open area)

### GrateAire® and Perforated Panel Air Flow



- Perforated panel with damper
- Perforated panel without damper
- GrateAire® panel with damper
- GrateAire® panel without damper

Static Pressure (inches H <sub>2</sub> O)	Airflow (cfm)			
	GrateAire® Panel		Perforated Panel	
	w/o damper	w/damper*	w/o damper	w/damper*
0.02	916	504	332	237
0.04	1320	712	476	328
0.05	1468	792	532	366
0.06	1608	876	584	402
0.08	1860	1008	666	461
0.10	2096	1128	746	515
0.12	2292	1232	818	582
0.14	2484	1332	886	620
0.16	2684	1416	944	669
0.18	2848	1496	990	699
0.20	3024	1580	1050	756

\*Tested with damper fully open

# Understructure Systems

for ConCore and All Steel Systems

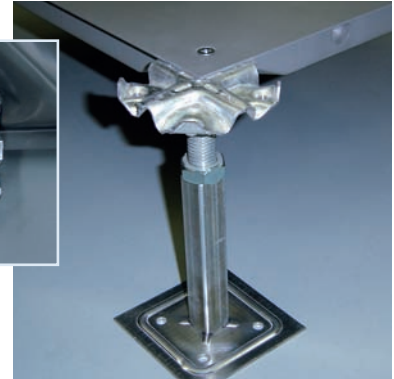
## PosiLock®

### Understructure Features

- PosiLock® design provides self-engagement and positioning of floor panels.
- Self-capturing fastener remains within the panel - will not get lost.
- Steel pedestal head provides optimum strength.
- Pedestal nut provides anti-vibration and locking features.
- Seismic force-resistant pedestals are available that limit or eliminate the need for special bracing.
- Typical floor heights from 6"-16".



*Panel engagement feature viewed from underside*



## Low Finished Floor Height PosiLock®

### Understructure Features

- Available in floor heights from 2½" to 4".
- PosiLock® design provides self-engagement and positioning of floor panels.
- 2½" finished floor height is ideal for renovation applications while providing enough space under the floor to allow for easy cable management.
- Excellent for classroom renovations and the creation of training areas.
- Easily levels uneven floors.

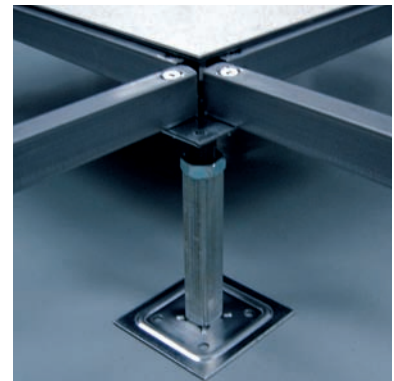


*PosiLock® pedestal for low floor height systems*

## Bolted Stringer

### Understructure Features

- Designed for computer rooms, data centers, industrial applications, and heavy rolling load areas.
- Allows floors to be built over 24" high.
- Panels can be gravity-held in understructure for fast removal and replacement.
- Stringers provide lateral resistance to heavy rolling loads and seismic loading.
- Seismic force-resistant pedestals are available that limit or eliminate the need for special bracing.
- All components are free of electro-zinc, a potential source of zinc whiskers.
- Typical floor heights from 12"-48".



*Zinc Whisker Free Pedestals*

## Seismic Pedestals

### Understructure Features

- Available with standard and fillet welded base assembly.
- Steel pedestal head provides optimum strength.
- Seismic force-resistant pedestals are available that limit or eliminate the need for special bracing.
- Vertical supports ranging from 16 gauge 7/8" galvanized tubing to Schedule 40 pipe.
- Pedestals can accommodate finished floor heights over 36".
- Easily levels uneven floors.



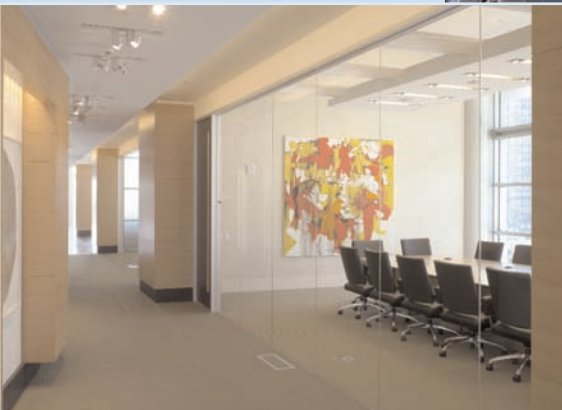




**Federal Government:** United States Census Bureau,  
Suitland, MD, 1,000,000 ft<sup>2</sup>



**Developer/Multi-Tenant:** Foundry  
Square, San Francisco, CA, 385,000 ft<sup>2</sup>



# Woodcore Panels

Woodcore panels consist of high density composite wood core glued to and encased in hot dipped galvanized formed steel sheets eliminating the risk of zinc whiskers. These panels have a Class A flame spread rating and provide excellent rigidity, durability, and acoustic performance. Fully interchangeable steel perforated and die cast aluminum grates are also available for the woodcore system.

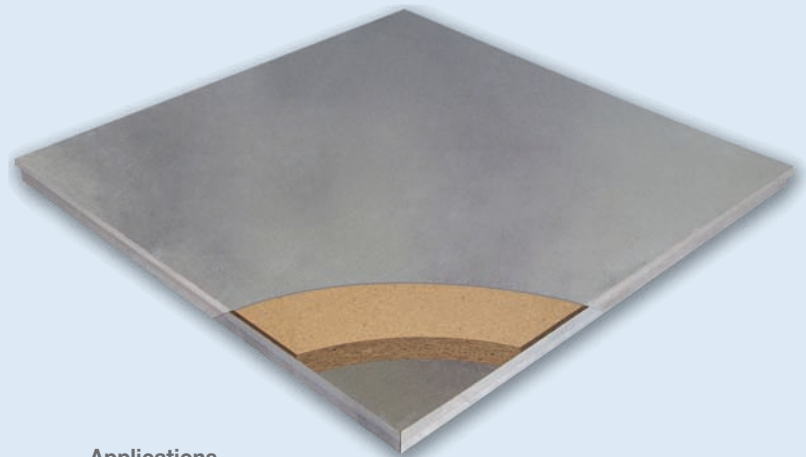


Tate's Woodcore panels and components are made in Canada.



## Panel Features

- FSC Certified Woodcore is available upon request
- High strength to weight performance.
- Full range of factory laminated finishes.
- Class A flame spread rating.
- Internally grounded.
- Excellent rolling load performance.
- Excellent acoustics



## Applications

Woodcore panels are available with several understructure support systems and numerous finishes providing a wide range of applications from general office environments to general purpose equipment applications such as data centers, telecommunication, and mission critical facilities.



**Mission Critical:** BMO Barrie Computer Centre, Barrie, Ontario, CN, 90,000 ft<sup>2</sup>



**Library:** Seattle Public library, Seattle, WA, 363,000 ft<sup>2</sup>

## Woodcore Performance Chart

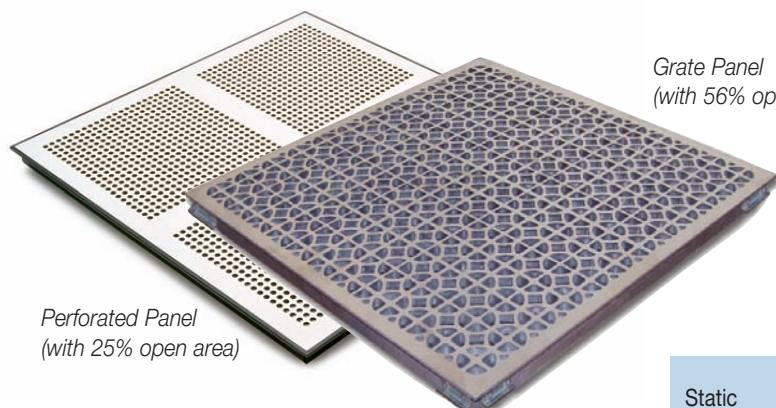
System Performance Criteria* (Tested on Actual Understructure)								
Panel	Understructure	System Weight (lbs/ft <sup>2</sup> )	Static Loads			Rolling Loads		Impact Loads (lbs)
			Design Loads (lbs)	Safety Factors (min 2.0)	Uniform Loads (lbs/ft <sup>2</sup> )	10 Passes (lbs)	10,000 Passes (lbs)	
WC5000	CornerLock	6.9	1000	PASS	250	1000	600	150
WC5000	Snap-Tite/Bolt-Tite	7.4	1000	PASS	250	1000	600	150
WC5000	Heavy Duty Stringer	7.6	1250	PASS	325	1200	600	150

\*System load definitions and test procedure descriptions can be found in the Standard Product Tests and Methodology Guide located in the Resources section of Tate's web-site, [www.tateaccessfloors.com](http://www.tateaccessfloors.com).



# Air Flow Panel & Understructure

for Woodcore System



*Grate Panel  
(with 56% open area)*

*Perforated Panel  
(with 25% open area)*

## Perforated Panel

- Available with a wide selection of conductive and static dissipative coverings.
- Available with top surface adjustable damper.
- Interchangeable with laminated woodcore panels in a stringer system
- Class A flame spread rating.
- Epoxy paint finish.

## Grate Panel

- Grate is made of die cast aluminum.
- Interchangeable with laminated woodcore panels in a stringered system.
- Available with conductive epoxy powder coat finish.

Static Pressure (inches H <sub>2</sub> O)	Airflow (cfm)			
	GrateAire® Panel		Perforated Panel	
	w/o damper	w/damper*	w/o damper	w/damper*
0.02	916	504	332	237
0.04	1320	712	476	328
0.05	1468	792	532	366
0.06	1608	876	584	402
0.08	1860	1008	666	461
0.10	2096	1128	746	515
0.12	2292	1232	818	582
0.14	2484	1332	886	620
0.16	2684	1416	944	669
0.18	2848	1496	990	699
0.20	3024	1580	1050	756

*\*Tested with damper fully open*

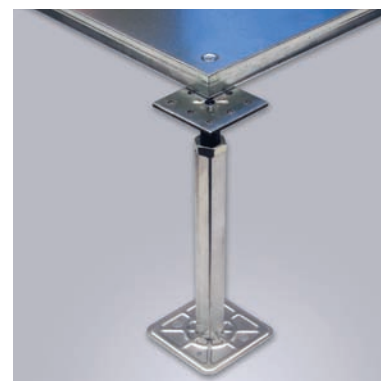
## Understructure



*Snap-Tite and Bolt-Tite Stringer*  
understructure system used primarily for gravity held panels with Integral Trim® edge in computer room, equipment room, or MPI/Laboratory environment. This system allows for quick and easy access to the underfloor area.



*Heavy Duty Stringer*  
The heavy duty stringer is designed for installations requiring additional design and rolling load capacities. Panels are gravity-held in the understructure for fast removal and replacement.



*Cornerlock*  
understructure system used primarily for office environments with modular carpet tile.

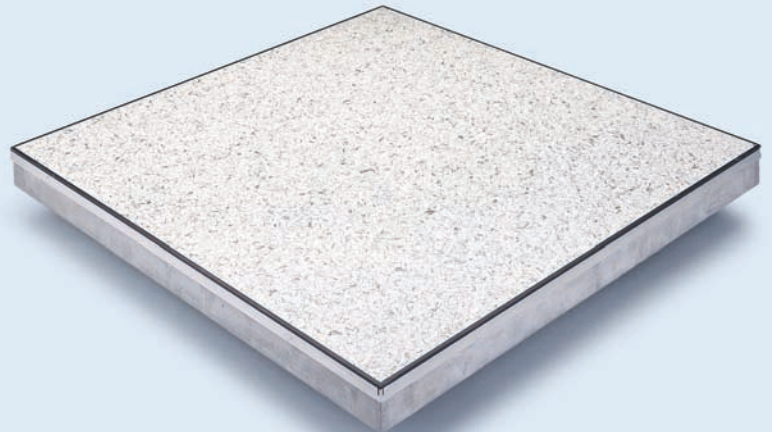
# Aluminum Panel Floor Systems

## Floating Floors® by Tate

Available in two strengths - FF1250 and FF3000

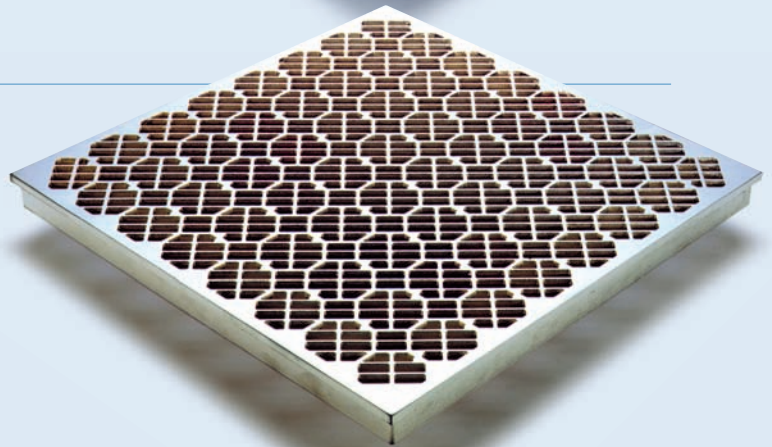
### Solid Panel

- Die Cast aluminum panels meet class A fire rating.
- Available with a wide selection of conductive and static dissipative coverings or coatings.
- Contains no ferrous materials to disrupt magnetic fields.
- Panel-to-pedestal contact ensures continuous conductivity.
- Excellent rolling load performance.
- Lightweight for ease of handling.
- Conductive gasket ensures continuous conductivity.



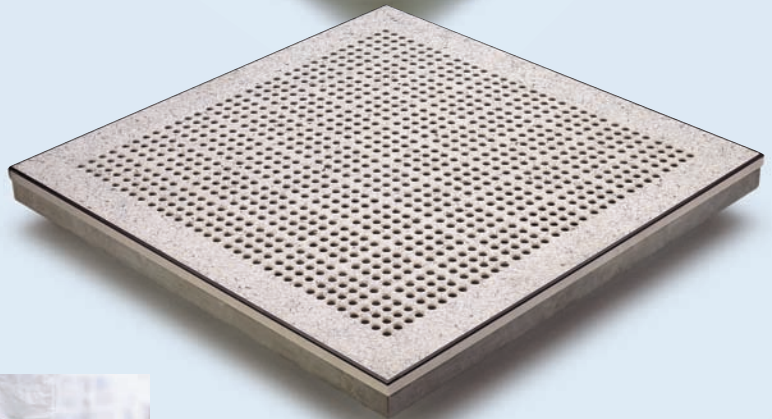
### Grate

- Designed to provide superior air flow.
- Unique octagonal design reduces rolling load vibrations.
- Fully interchangeable with FF1250 and FF3000 panels.
- A damper can be used to regulate airflow.
- Available in a variety of coatings.



### Perforated Panel

- Perforated panels provide optimum laminar airflow, without turbulence.
- Optional chamfered perforations provide superior particulate control with up to 20% increase in airflow.
- Several perforated panel patterns from which to choose.





## Floating Floors Performance Selection Chart

System Performance Criteria* (Tested on Actual Understructure)								
			Static Loads			Rolling Loads (lbs)		
Panel	Understructure	System Weight (lbs/ft²)	Design Loads* (lbs)	Safety Factors* (min 2.0)	Uniform Loads (lbs)	10 Passes	10,000 Passes	Impact Loads (lbs)
FF 1250 Solid Panels	All	6.50	1250	Pass	400	1000	1000	150
FF 1250 Perforated Panels	All	6.25	1250	Pass	400	1000	1000	100
FF1250 Grates	All	7.25	1250	Pass	400	1000	1000	150
FF 3000 Solid Panels	All	7.60	2250	Pass	750	2000	2000	200
FF 3000 Perforated Panels	All	7.40	2000	Pass	750	1500	2000	100

\*System load definitions and test procedure descriptions can be found in the Standard Product Tests and Methodology Guide located in the Resources section of Tate's web-site, [www.tateaccessfloors.com](http://www.tateaccessfloors.com).



**Casino:** Tulalip Casino, Marysville, WA, 195,000 ft<sup>2</sup>

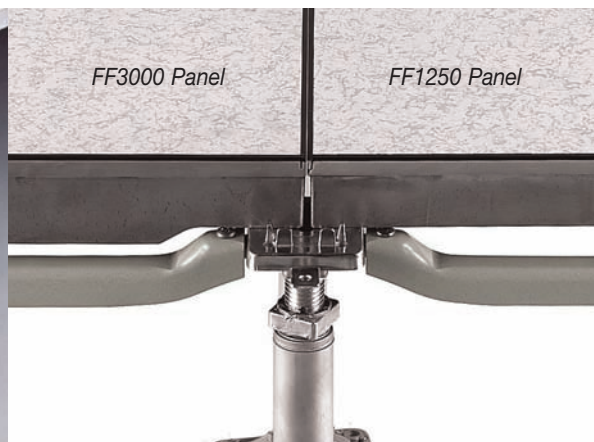


**Owner Occupied:** First Canadian Title, Oakville, ON, 30,000 ft<sup>2</sup>

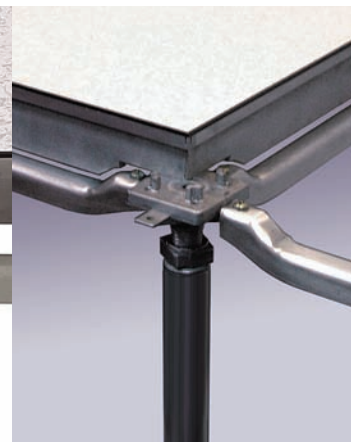
## Understructure



Stringerless System



Interchangeable Panels



Bolted Stringer System



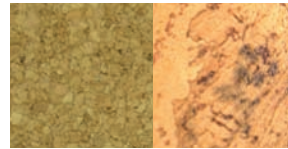


# Finishes

## Finishes

The advantages of access flooring and underfloor systems are applicable to a wide range of building applications - from office to educational to laboratories, casinos and beyond. Just like the buildings themselves, the spaces within them have varied and specific requirements, both functionally and aesthetically. As with conventional flooring, the access floor finish options are limitless.

### Selection of the many floor materials and finishes available



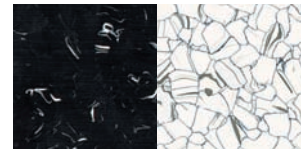
*Cork*



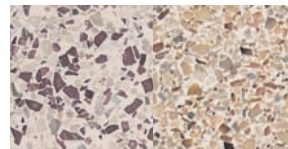
*Wood*



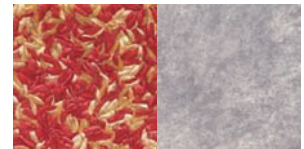
*High Pressure Laminate*



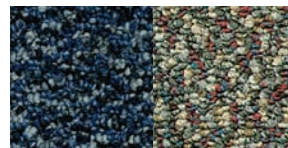
*Static Control Vinyl*



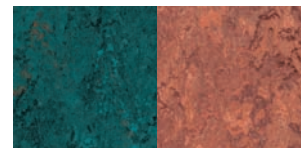
*Terrazzo*



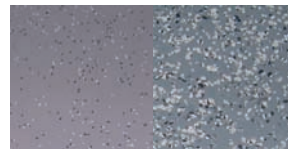
*Freelay Hard Surfaces*



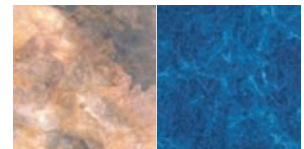
*Carpet Tile*



*Linoleum*



*Rubber*



*Luxury Vinyl*



## High Pressure Laminate (HPL) with Integral Trim® Edge

### Integral Trim® Edge Features

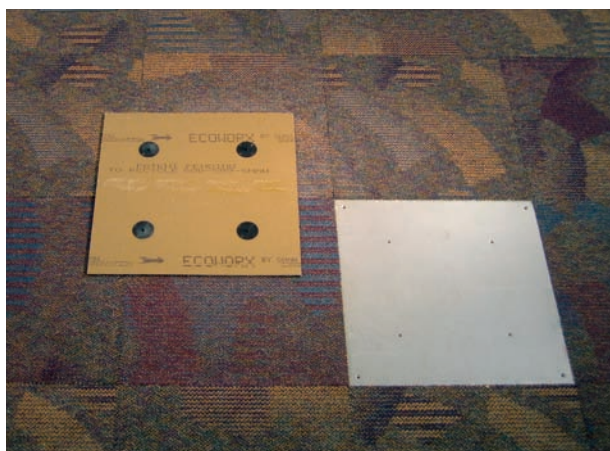
- Decorative edge is routed into the HPL, exposing its colored core.
- Superior wear resistance - will not detach, chip or crack.
- Cost effective alternative to laminated panels with separate trim pieces.
- A full range of colorful HPL patterns are available in 1/16" and 1/8" thickness with either black or brown edge trim colors.
- Suitable for use in equipment rooms, computer rooms, electronic assembly facilities, and areas with frequent or heavy rolling loads.



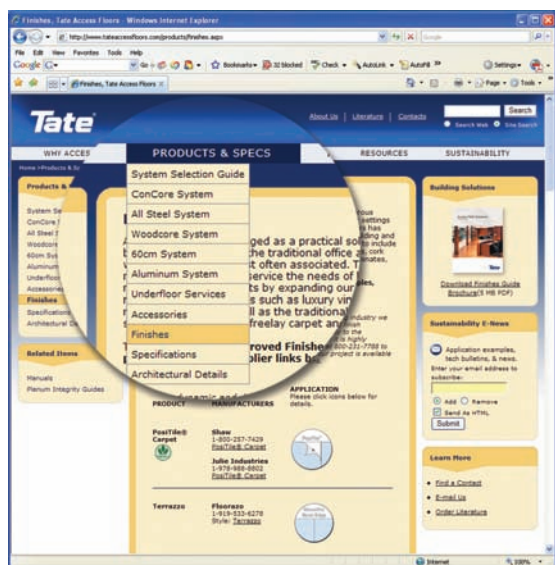
## PosiTile® Carpet

### PosiTile® System Features

- 24" PosiTile® carpet tiles with four permanently affixed positioning buttons are quickly positioned on access floor panels for one-to-one fit.
- No sticky adhesive on floor panels when carpet tiles are removed.
- Carpet waste is avoided when floor panels and carpet tiles with matching cutout holes are relocated. No attic stock of carpet required due to planned churn.
- Makes workstation relocation fast and inexpensive.
- PosiTile® is available in a multitude of colors and patterns.
- Available with state-of-the-art static control properties.
- A totally sustainable, cradle to cradle carpet tile product.



For more info or to download a copy of Tate's PosiTile brochure visit [www.tateaccessfloors.com/products/positile.aspx](http://www.tateaccessfloors.com/products/positile.aspx)



### Finishes Online

There are many different materials, vendors and application methods used to apply finishes on or over access flooring. Tate has comprised an online resource of tested and approved finishes for access floor applications. On the website you will find vendor contact information, application renderings, and product photos to help you select a finish for your educational facility.

To access the finishes section of our website please visit [www.tateaccessfloors.com/products/finishes.aspx](http://www.tateaccessfloors.com/products/finishes.aspx). If you are interested in using a material or vendor that does not appear on the list or would like a printed finished brochure please contact the Tate Hotline at 800-231-7788 or e-mail [tateinfo@tateaccessfloors.com](mailto:tateinfo@tateaccessfloors.com)

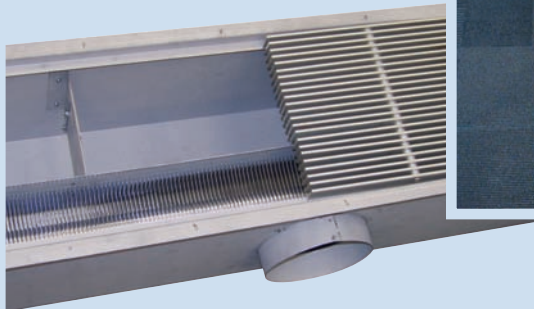
# Underfloor Services

A full offering of devices and accessories are available to complete your access floor and underfloor service distribution installation. For more information contact Tate @ 1-800-231-7788 or visit us online to download details and specifications at [www.tateaccessfloors.com/products/underfloor\\_services.aspx](http://www.tateaccessfloors.com/products/underfloor_services.aspx).

- Glass & Window Panels
- AirFlow damper
- Air Grilles
- Air Columns
- Brush style grommets
- Fascia Components
- Seismic Pedestals
- Panel Lifters
- Ramp Components
- Step Components
- Wet Area Accessories

## Underfloor Air Devices & Accessories

Tate is committed to providing accessory products to aid in the successful design and operation of underfloor air distribution systems. Our research and development efforts have expanded our product offerings and partnerships with other manufacturers to deliver a full range of products to improve performance, installation time and maintenance requirements.



*Perimeter Trough  
for heating and cooling*



*AirArrest™ Grommets  
Creates an expandable air tight seal  
for through wall service distribution*



*Plenum Divider  
Attaches to the pedestal for  
easy accessibility*



*Passive Diffuser*

*Automatic  
VAV Diffuser*



*Air Tower Unit  
Quietly supply's air to the  
underfloor plenum*



## Underfloor Modular Wiring & Cabling



*Power Distribution Module*



*Modular Wiring*

The Power Distribution Module (PDM) is a modular power distribution center that can distribute any combination of up to 18 circuits across multiple ports. Pre-wired and tested at the factory, the PDM's are configured to meet any project requirements. PDM's are connected by 'plug and play' extender cables to PVD Servicenters®.

*High Capacity PVD*

Tate PVD Servicenter® is designed to terminate power wiring at floor level and provide convenient user access to electrical outlets. The box contains a hinged lid with recess for a floor finish insert designed to match surrounding finish for maximum aesthetic appeal. Floor service boxes are installed within an access floor panel and can be relocated at any point on the floor plate. Low voltage wiring is accommodated in the floor box for added convenience. Access Floor Service Boxes are available in several configurations to handle both capacity needs and finished floor height requirements.



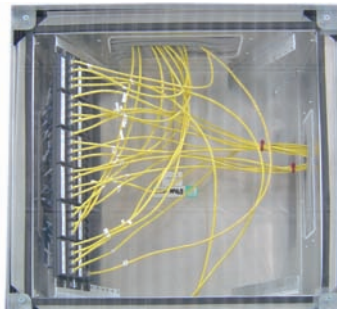
*Grommets  
Used to seal opening in the  
access floor for wires and cables.*



*Plug & Play Cables  
Low voltage cables designed to  
provide voice/data to devices.*



*Modular Cabling (passive)*



*Modular Cabling (active)*

The passive zone distribution box is a consolidation point that can house up to 96 cable connections. The consolidation point provides an intermediate connection from the distribution box to the PVD Servicenter.

The active zone distribution box allows for a major reduction in the amount of horizontal cable by bringing fiber into the box and then exiting with short run copper cable to the PVD Servicenters.



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[kingspan.com](http://kingspan.com)



Tate Access Floors, Inc.  
components are proudly  
made in the U.S.A.



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