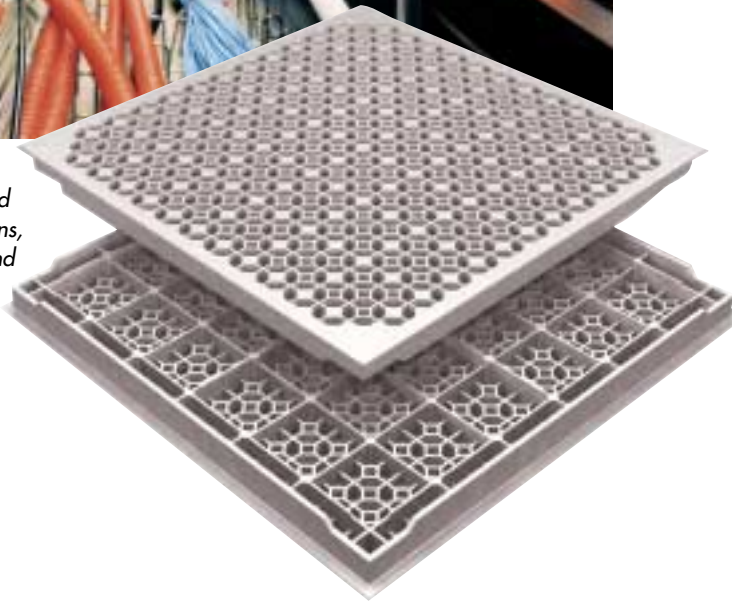




The GrateAire™ aluminum grate is designed for new and existing access floor installations, providing superior airflow and rolling load performance



GrateAire™

Heat Management Solution
for All Mission Critical Facilities

System Highlights

- Unmatched ability to handle heat density needs of the most demanding mission critical facilities
- Achieve densification never before possible with perforated panels
- Unique design provides seamless compatibility with All Steel and ConCore® Panels
- Effortless reconfiguration and retrofit of any existing stringered access floor, without modification
- One GrateAire™ can cool over 14kw of heat, which is about the same as 75 servers in one cabinet (See note 5, side 2)

Benefits

COMPATIBILITY

- GrateAire™ is compatible with All Steel and ConCore® panels utilizing bolted stringer systems

AIRFLOW

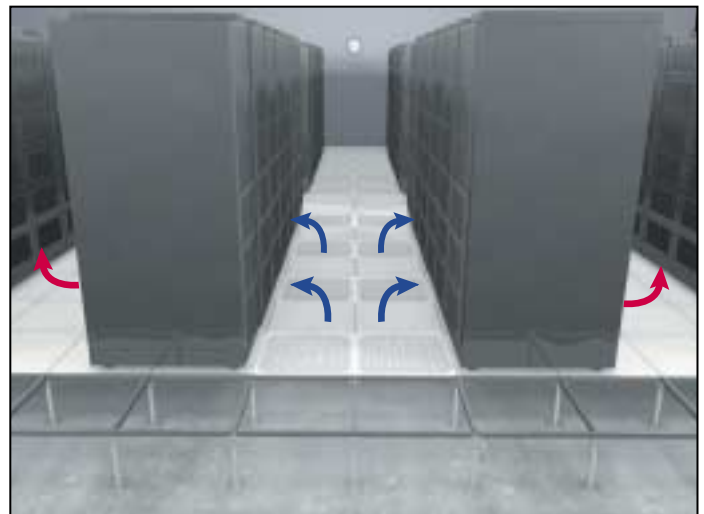
- One GrateAire™ can perform the cooling of nearly four perforated panels, without the comparable cost

ROLLING LOAD

- Nearly seven times more rolling load capacity than perforated panels. Can be used in aisles and high traffic areas

STRENGTH

- High strength, low weight, all aluminum die-cast construction



GrateAire™ allows unprecedented densification of server equipment. Blue arrows indicate cool air from grate entering server, which is the cold aisle. Red arrows indicate hot air exhausted from server, forming the hot aisle.

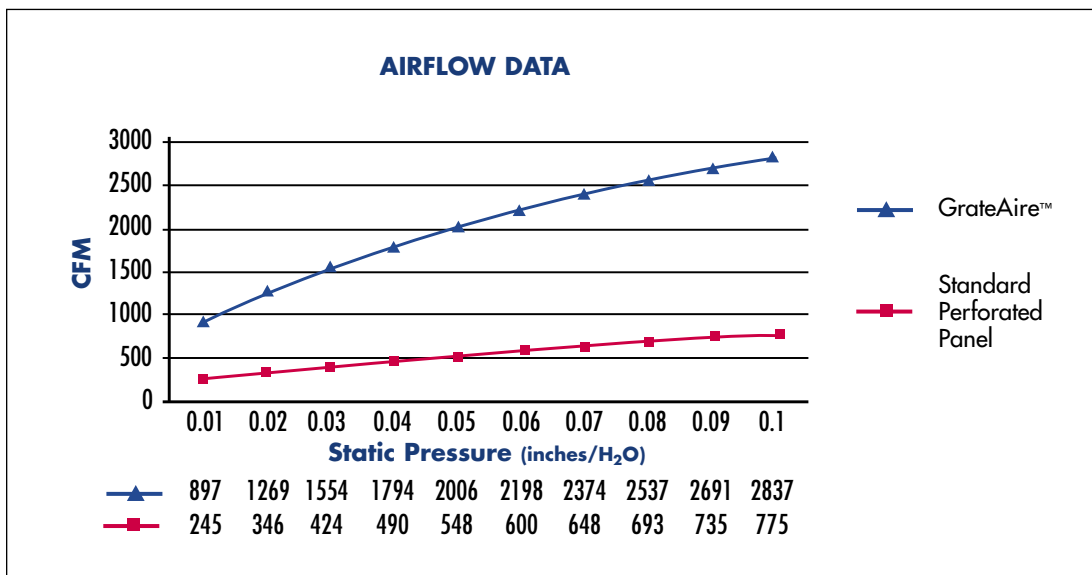
Rethinking Construction

Tate[®]
ACCESS FLOORS

GENERAL INFORMATION



- Compatible with All Steel and ConCore® panels
- 24 inches square
- Panel weight: 4.7 lbs/ft² bare
- Panel height: 1 1/4 "
- Flange width: approximately 1/2" inch to accommodate standard 3/4" wide x 1 1/4" deep stringers
- Die cast aluminum construction
- Class A flame spread rating
- Non-combustible material
- 56% open area
- Available with coatings
- Top surface adjustable damper available
- Removable with portable lifting device
- Load performance – see table below
- Airflow data – see chart below



GrateAire™ PERFORMANCE SELECTION CHART

SYSTEM TYPE		STATIC LOADS			ROLLING LOADS		IMPACT LOADS
Panel	Understructure	Concentrated Loads	Uniform Loads	Ultimate Loads	10 Passes	10,000 Passes	
GrateAire™	Bolted Stringer	1,000 lbs.	250 lbs./ft ²	2500 lbs.	1000 lbs.	800 lbs.	100 lbs.

Notes:

1. Tate Access Floors, Inc. uses Ceiling and Interior Systems Construction Association (CISCA) as a guide in the development of all test procedures.
2. Concentrated, ultimate, and impact load capacities are tested by imposing loads on a one square inch area. Results above indicate weakest point of panel. Permanent set will not exceed 0.010 inches after load is removed.
3. Rolling loads are performed using one wheel rolling across panel on same path for designated number of passes.
4. For further information and product specifications, call the Tate Hotline @ 1-800-231-7788.
5. Based on typical computer room conditions running at 0.1" static pressure, whereby each 200cfm of cold air will dissipate approximately 1,000 watts of heat.

TATE ACCESS FLOORS, INC.

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