Global IFS
INTEGRATED FLOORING SOLUTIONS

TecCrete®

Data Center Flooring

The TecCrete Data Center product is based on Global IFS's proven TecCrete access flooring platform. For the last 30 years, it has been the leading choice for architects and developers who prefer a top-qualityaccess flooring system with best-in-class features.

Global IFS is committed to making TecCrete products in the USA.

TECCRETE DATA CENTER

Global IFS has built on TecCrete's legendary performance and durability by adding technology-friendly surface finishes and high-efficiency airflow panels to create the TecCrete data center, an advanced system of access flooring products engineered specifically for critical computing and telecommunications environments.

BEST WARRANTY IN INDUSTRY

The Greenest Access Floor in the Industry

- 58% recycled content (contributes to LEED MR 4.1 & 4.2).
- Manufactured in our Kentwood, MI plant, a Zero Waste to Landfill facility.

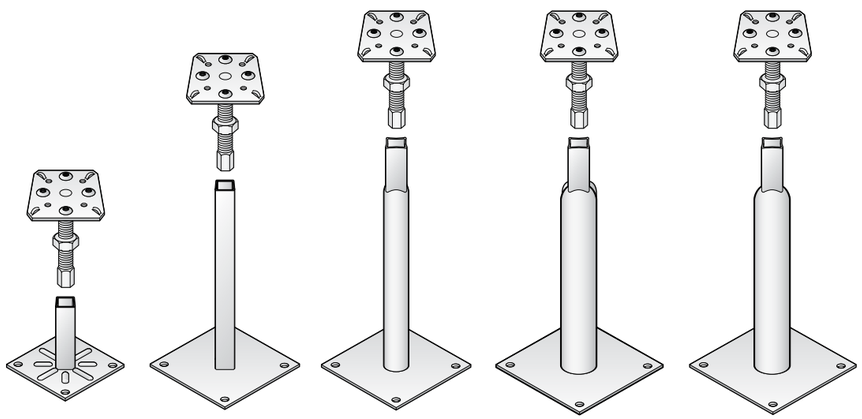
TECCRETE PERFORMANCE

Product			Static Loading Rating			Dynamic Load Rating	
System	Panel	Understructure	Concentrated	Uniform	Ultimate	Rolling 10-Pass	Rolling 10,000-Pass
1250	1 1/8″ Panel	Cornerlock	1250 lbs	600 lbs	1800 lbs	1300 lbs	900 lbs
1500	1 1/8″ Panel	Stringer	1500 lbs	700 lbs	2500 lbs	1500 lbs	1250 lbs
2000	1 1/2″ Panel	Stringer	2000 lbs	800 lbs	2800 lbs	1750 lbs	2000 lbs
2500	1 1/2″ Panel	HD Stringer	2500 lbs	900 lbs	3100 lbs	2000 lbs	2000 lbs

Standard Duty panel for everyday applications.

Heavy Duty panel for heavier load requirements.

PEDESTALS FOR STANDARD AND SEISMIC APPLICATIONS



Type 0 Type 1 Type 3 Type 4 Type 5

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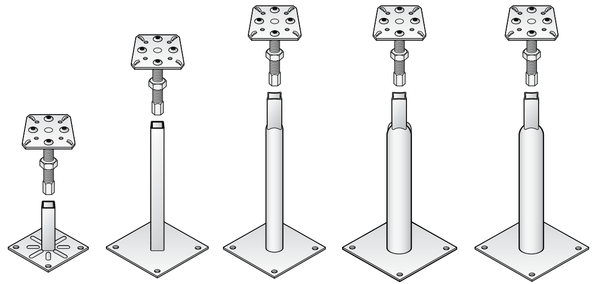

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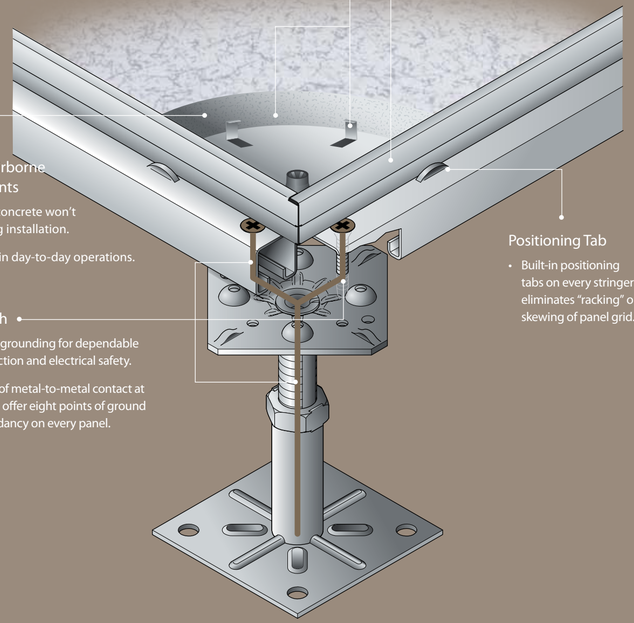
ENGINEERED FOR RELIABILITY, SAFETY, AND INSTALLATION EASE

Proprietary Concrete and Steel Composite Design

- Solid rolling load support.
- Steel shear tabs cause the concrete and steel to behave as a single composite material, combining compressive strength and tensile strength for unmatched static and dynamic load performance.
- Industry's only weldless steel pan ensures structural integrity throughout product lifecycle.

Full Panel Thickness

- Superior load-bearing support.
- Solid 1 1/8" or 1 1/2" thick throughout entire panel.
- Full panel thickness rests on understructure, eliminating structural vulnerability at panel edge and corner.



Reduced Airborne Contaminants

- Structural concrete won't flake during installation.
- Limit dust in day-to-day operations.

Ground Path

- Multi-point grounding for dependable static protection and electrical safety.
- Two points of metal-to-metal contact at each corner offer eight points of ground path redundancy on every panel.

Positioning Tab

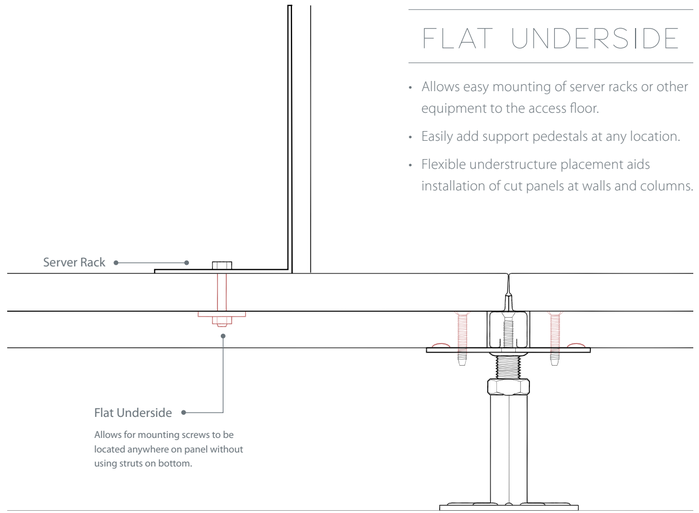
- Built-in positioning tabs on every stringer eliminates "racking" or skewing of panel grid.

NO ZINC WHISKERS

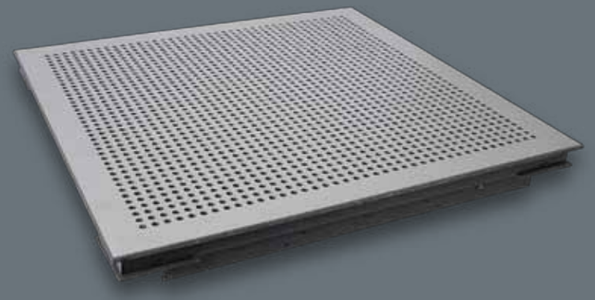
TecCrete Data Center uses electronic grade metal finishes to ensure that no zinc whiskers develop.

FLAT UNDERSIDE

- Allows easy mounting of server racks or other equipment to the access floor.
- Easily add support pedestals at any location.
- Flexible understructure placement aids installation of cut panels at walls and columns.

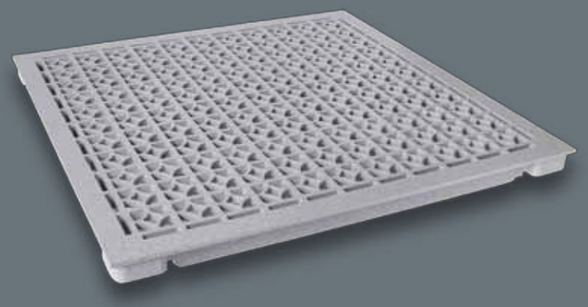


AIRFLOW PANEL OPTIONS FOR ALL APPLICATIONS



25% open area perforated panels

- Delivers 19% more air volume than competitive equivalent.
- Integrated steel grid withstands heavy rolling loads.
- 1000 lbs rolling load per CISCA Section 3.



55% open area aluminum grates

- Light, strong cast-aluminum construction.
- Enhanced airflow and cooling.

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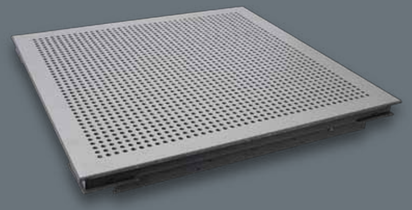

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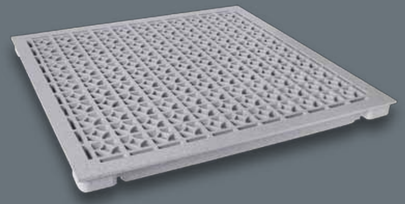

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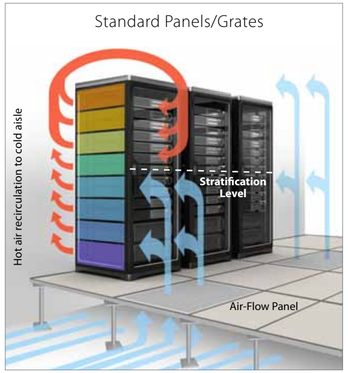
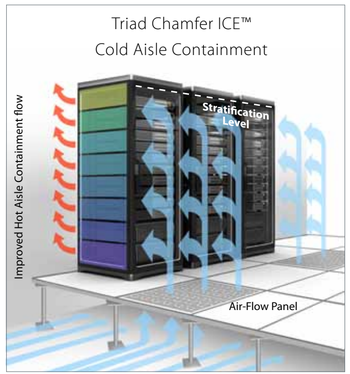
THE GLOBAL IFS TECCRETE DATA CENTER COOLING ADVANTAGE

56% open area Triad™ Chamfer Airflow panel features patented airflow enhancement technology.

- Steel design offers heavy-duty load capacity.
- Multi-directional fins under panel increases airflow over flat-bottom grates.
- Higher cooling plume allows cold air to reach entire height of rack.
- Upper server temperatures can be reduced 10 – 20 degrees Fahrenheit.
- Overall cooling requirements may be reduced by as much as 40%.



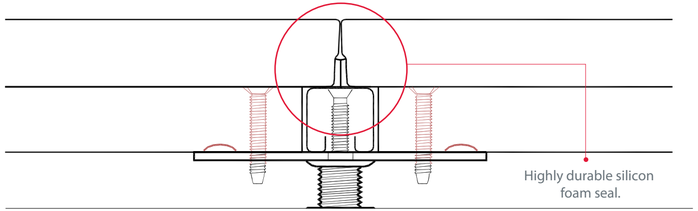
Most standard grates only provide enough air volume to reach the lower half of the server rack.



The multi-directional fins on Triad air flow panels increase the volume of air flowing against all server surfaces, from bottom to top.

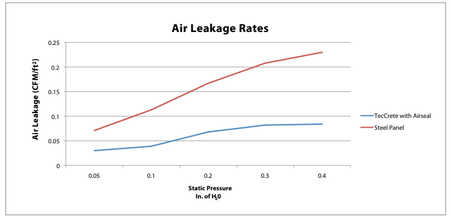
TECCRETE INTEGRAL AIR SEALS

Only TecCrete Data Center panels have the option of an integral air seal attached directly to the panel side.



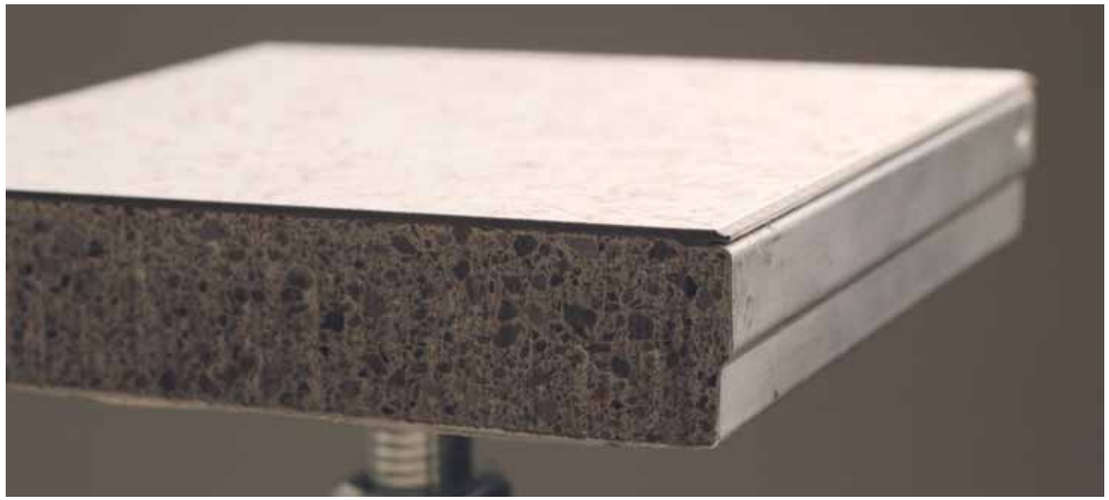
- Optional air seals provide compression fit that reduces cooling loss through panel seams by as much as 90% over conventional unsealed data centers floors.
- Provides improved air-containment within data center plenum, creating improved airflow to grates or perforated panels at server racks.

Air Leakage: Conventional Floor vs. TecCrete with Air Seal



Combine TecCrete Air Seals with the Triad Chamfer Airflow panel for the most efficient data center cooling system.

SURFACE FINISH SYSTEMS ENGINEERED FOR THE LONG RUN AND SUPPORTED BY THE INDUSTRY'S LONGEST STANDARD WARRANTY AGAINST DELAMINATION



Only TecCrete Data Center products offer a three-year warranty against delamination of HPL or vinyl.

Global IFS has applied its experience in surface finish adhesion to engineer a finish, adhesive, and substrate system that works flawlessly, even under adverse conditions.

Data Center standard finishes include:

- 1/6″ or 1/8″ anti-static high-pressure laminate with TecTrim edge
- 1/16″ or 1/8″ conductive laminate with TecTrim Edge
- Conductive Vinyl with Captured Trim Edge

TECCRETE DATA CENTER

TecCrete Bare—the latest in finishing technology

- Only TecCrete access floor can be used bare with field applied Electraseal ESD or Electra-guard conductive coatings.
- Durable bare finish eliminates the hassle and expense resulting from cracking, chipping or delamination of high pressure laminate.
- Bare tiles can be secured using cornerlock screws to eliminate the use of stringers, saving both time and expense.
- Coating on the Bare surface becomes an integral part of the panel, yielding superior function and increased life expectancy as compared to factory finished high-pressure laminate panels.

Performance

Durability

Aesthetic

Affordability

PRODUCT SUMMARY

Solid panel system options:

- TecCrete 1250 without stringer
- TecCrete 1500 with stringer
- TecCrete 1500sl without stringer
- TecCrete 2000 with stringer
- TecCrete 2500 with stringer

Solid panel finish options:

- Field-applied acrylic surface finish
- Field-applied Electraseal™ ESD finish
- Field-applied Electraguard conductive finish
- Factory-applied 1/16″ or 1/8″ anti-static or conductive high-pressure laminate with TecTrim™ edge
- Factory-applied conductive vinyl with captured trim

25% airflow panel finish options:

- Factory applied 1/16″ or 1/8″ antistatic or conductive high-pressure laminate with TecTrim edge
- Factory applied conductive vinyl with captured trim

55% grate finish options:

- Powder-coat epoxy finish

56% Triad grate finish and fin options:

- Available with or without field-installable fin sets
- Finished in conductive powder-coat epoxy

Understructure options:

- Seismic rated pedestals
- Floor heights from 3″ to 48″ FFH, additional heights available upon request

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