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-quality access 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.

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.

BEST WARRANTY IN INDUSTRY
## TECCRETE PERFORMANCE

<table>
<thead>
<tr>
<th>Product</th>
<th>Static Loading Rating</th>
<th>Dynamic Load Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>System</td>
<td>Panel</td>
</tr>
<tr>
<td>1250</td>
<td>1 1/8&quot; Panel</td>
<td>Cornerlock</td>
</tr>
<tr>
<td>1500</td>
<td>1 1/8&quot; Panel</td>
<td>Stringer</td>
</tr>
<tr>
<td>2000</td>
<td>1 1/2&quot; Panel</td>
<td>Stringer</td>
</tr>
<tr>
<td>2500</td>
<td>1 1/2&quot; Panel</td>
<td>HD Stringer</td>
</tr>
</tbody>
</table>

- **Standard Duty panel for everyday applications.**
- **Heavy Duty panel for heavier load requirements.**

## PEDESTALS FOR STANDARD AND SEISMIC APPLICATIONS
TECCRETE PERFORMANCE

PEDESTALS FOR STANDARD AND SEISMIC APPLICATIONS

<table>
<thead>
<tr>
<th>Pedestal Type</th>
<th>Standard Load Rating</th>
<th>Heavy Duty Load Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type 1</td>
<td>1.125&quot;</td>
<td>1.5&quot;</td>
</tr>
<tr>
<td>Type 2</td>
<td>1.125&quot;</td>
<td>1.5&quot;</td>
</tr>
<tr>
<td>Type 3</td>
<td>1.125&quot;</td>
<td>1.5&quot;</td>
</tr>
<tr>
<td>Type 4</td>
<td>1.125&quot;</td>
<td>1.5&quot;</td>
</tr>
</tbody>
</table>

1.125"

1.5"

Standard Duty panel for everyday applications.

Heavy Duty panel for heavier load requirements.

ENGINEERED FOR RELIABILITY, SAFETY, AND INSTALLATION EASE

Proprietary Concrete and Steel Composite Design
- Superior load-bearing support.
- Steel core incorporates concrete and steel to behave as a single composite material, combining compressive strength and tensile strength for exceptional load and dynamic load performance.
- Industry leading understructure prevents structural integrity throughout product lifecycle.

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

Reduced Airborne Contaminants
- Structural concrete design:
  - Weather resistant and free-draining installation.
  - Limits 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 panel for easy positioning, eliminating "slack" or slippage at corners.

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.

Flat Underside

Server Rack

1.125"

1.5"
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 CISC A Section 3.

55% open area aluminum grates
- Light, strong cast-aluminum construction.
- Enhanced airflow and cooling.
**AIRFLOW PANEL OPTIONS FOR ALL APPLICATIONS**

25% open area perforated panels
- Delivers 10% more air volume than competitive equivalent.
- Integrated steel grid withstands heavy rolling loads.
- 1000 lbs rolling load per CISA Section 3.

55% open area aluminum grates
- Light, strong, cast-aluminum construction.
- Enhanced airflow and cooling.

**THE GLOBAL IFS TEC CRETE 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 the 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%.

**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 seal provides compression fit that reduces cooling loss through panel seams by as much as 56% over conventional unsealed data center panels.
- 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.
**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**

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**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
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

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