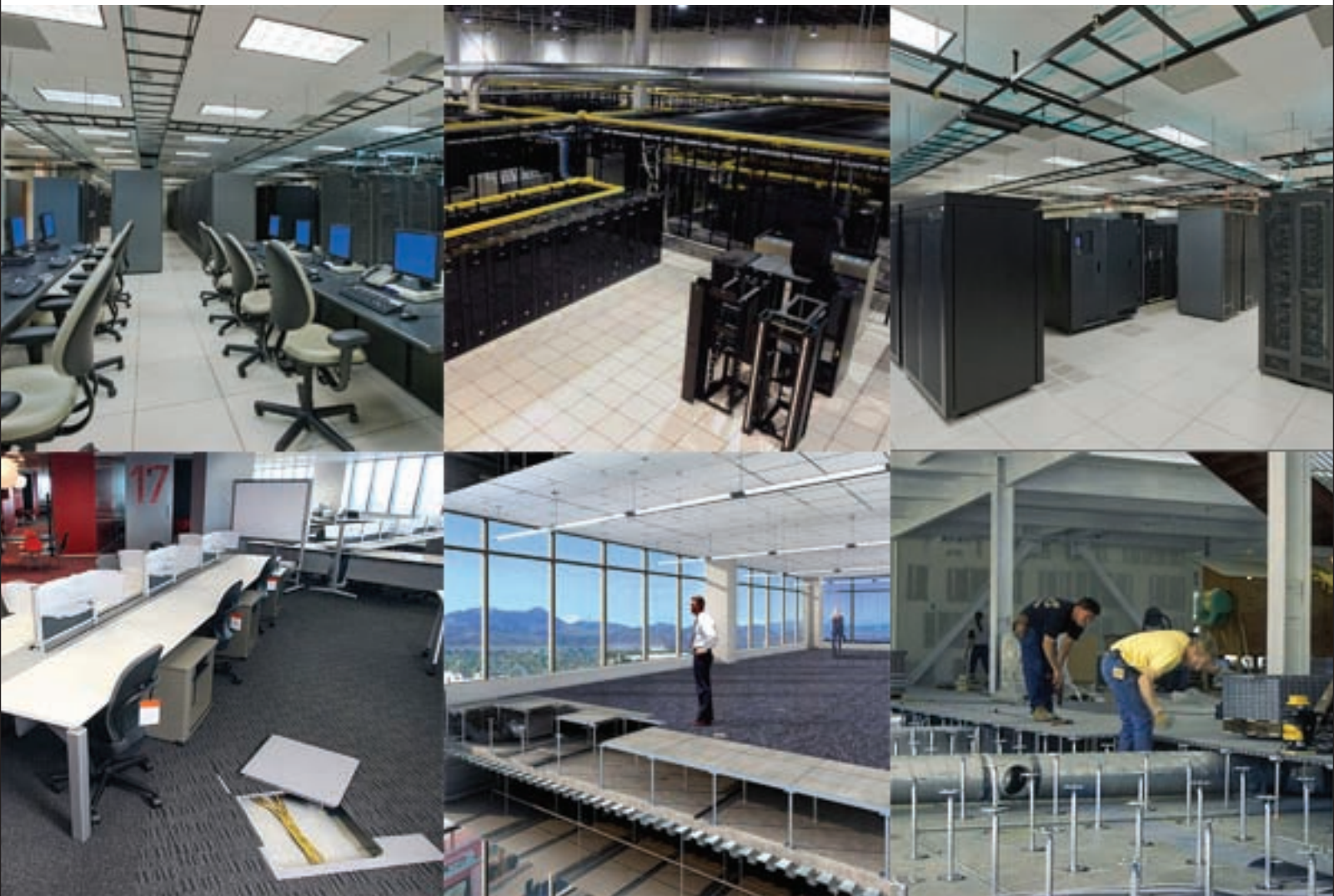




INTEGRADORES Y CONSULTORES EN TECNOLOGÍA



SteelCrete Access Floor

Product Guide



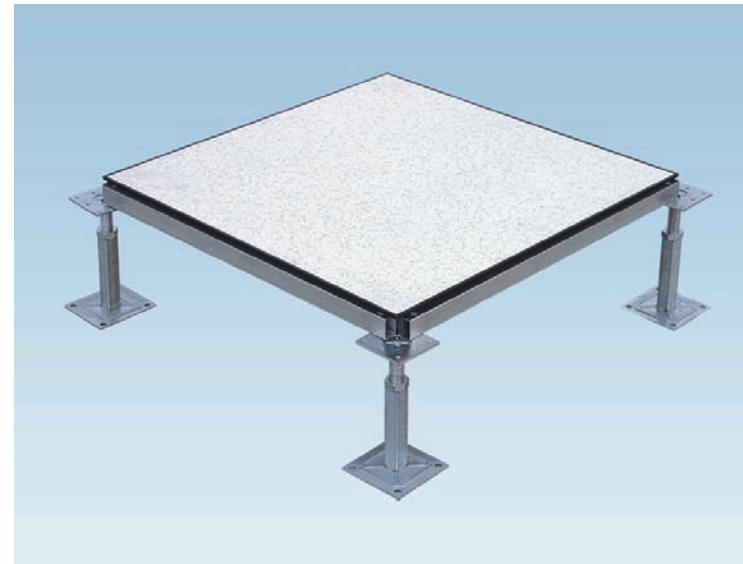
Data Center



With non-combustible concrete-and-steel composite structure, SteelCrete Access Floor is the strongest, most durable access floor system in the world.

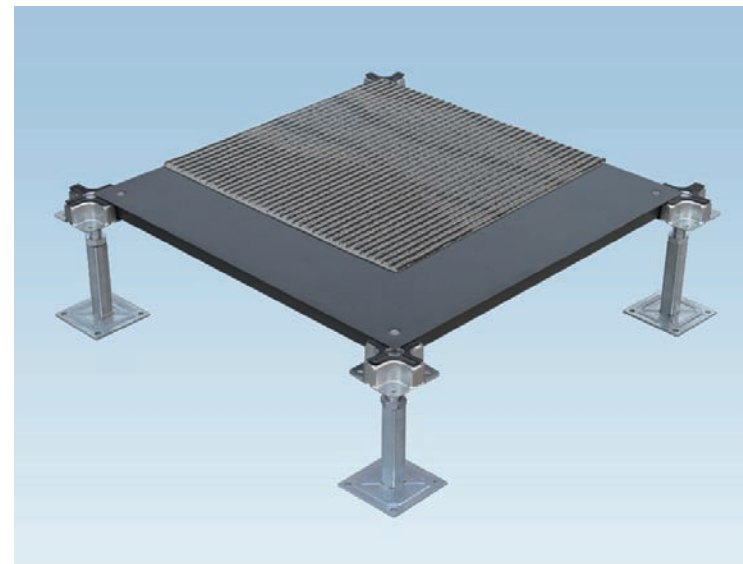
“You leave yourself an enormous margin of safety. You build a bridge that 30,000-pound trucks can go across and then you drive 10,000-pound trucks across it. That is the way I like to go across bridges.” -- Warren E. Buffett, Chairman of Berkshire Hathaway.

SteelCrete Access Floor



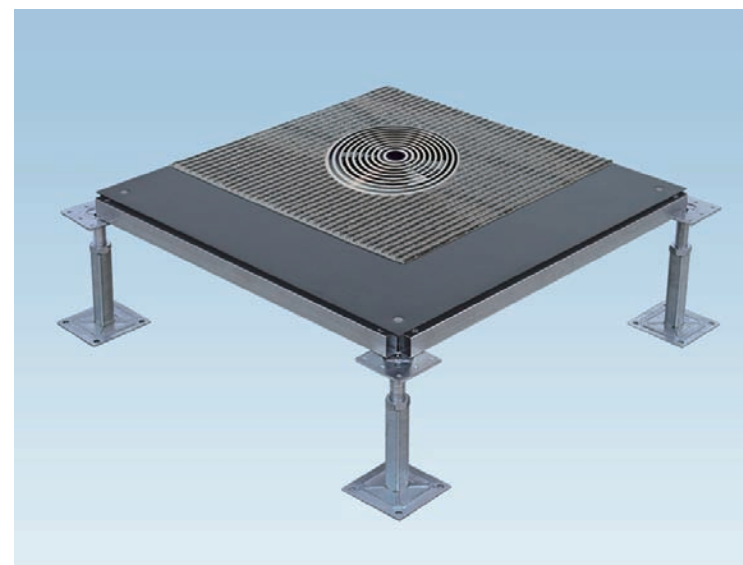
SteelCrete Bolted Stringer System for Data Center Applications

- HPL/Vinyl Finished SteelCrete Panel
+ Perforated Panel + Bolted Stringer System
- Designed for Data Center applications.



SteelCrete Corner Lock System for General Office Applications

- Bare Finished SteelCrete Panel
+ Corner Lock System
- Designed for General Office applications.



SteelCrete Bolted Stringer System for UFAD Applications

- Bare Finished SteelCrete Panel
+ Bolted Stringer System
- Designed for Underfloor Air Distribution applications.

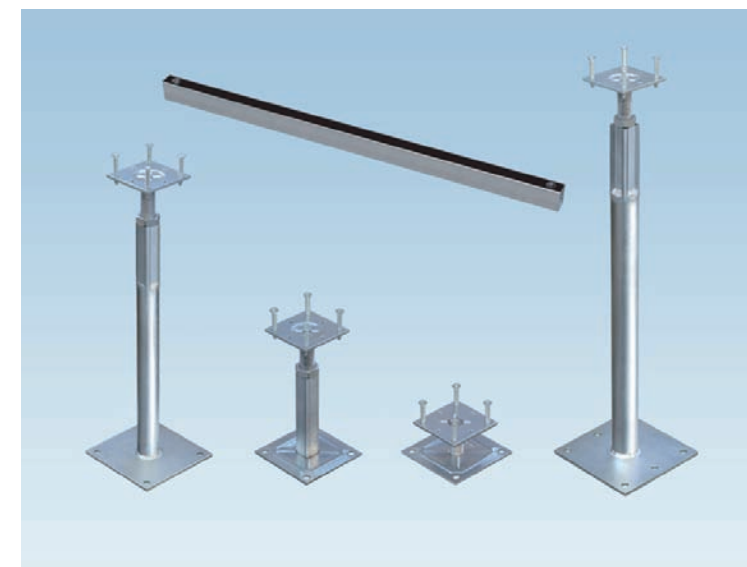
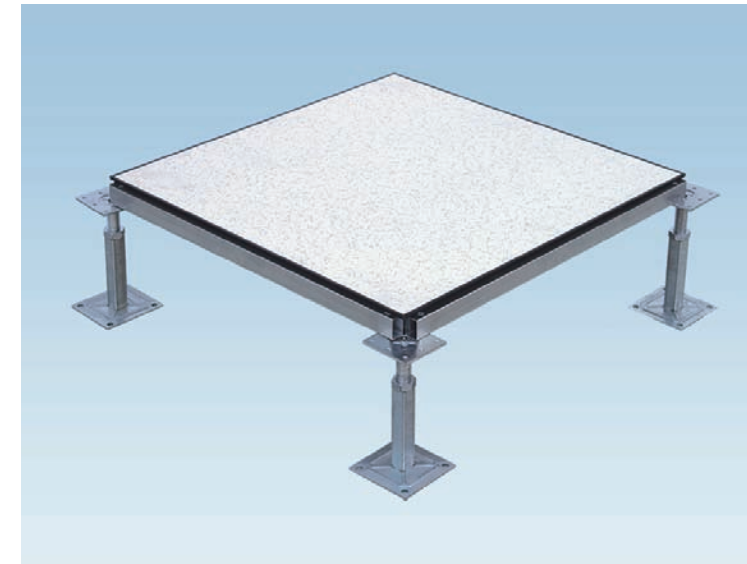
SteelCrete Access Floor for Data Center



- Access floor panels with factory-bonded HPL finishes have become the standard in Data Center because of its ease of maintenance and its unique ability to dissipate static electricity.
- For strictly static sensitive applications, access floor panels with factory-bonded Vinyl finishes are better choices.

HPL/Vinyl Finished SteelCrete Access Floor Performance Chart

General Information				Static Loads			Rolling Loads		Impact Loads
SteelCrete Panel	Top/Bottom Steel	Understructure	System Weight	Concentrated Loads	Ultimate Loads	Uniform Loads	10 Passes	10,000 Passes	
FS800H	0.8/0.7mm	Bolted Stringer	10lbs/ft ² 48kg/m ²	800lbs 363kg	2400lbs 1089kg	300lbs/ft ² 14.35kPa	600lbs 272kg	500lbs 226kg	150lbs 68kg
FS1000H	0.8/0.9mm	Bolted Stringer	10.6lbs/ft ² 51kg/m ²	1000lbs 454kg	3000lbs 1363kg	350lbs/ft ² 16.75kPa	800lbs 363kg	600lbs 272kg	150lbs 68kg
FS1250H	1.0/1.0mm	Bolted Stringer	11.2lbs/ft ² 54kg/m ²	1250lbs 567kg	3750lbs 1701kg	400lbs/ft ² 19.1kPa	1000lbs 454kg	800lbs 363kg	150lbs 68kg



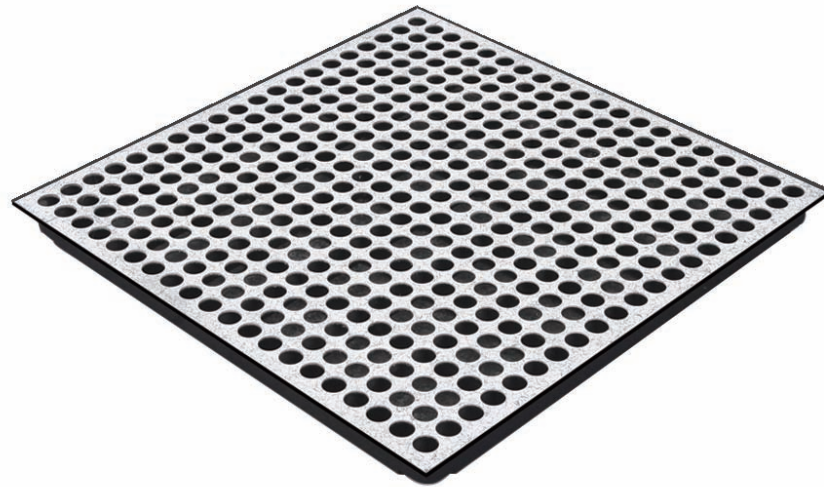
HPL/Vinyl Finished SteelCrete Panel + Perforated Panel + Bolted Stringer System

- Dimension: 600mm x 600mm.
- SteelCrete panel grades: SC800, SC1000, SC1250.
- Wide range of HPL/Vinyl finishes.

Bolted Stringer System

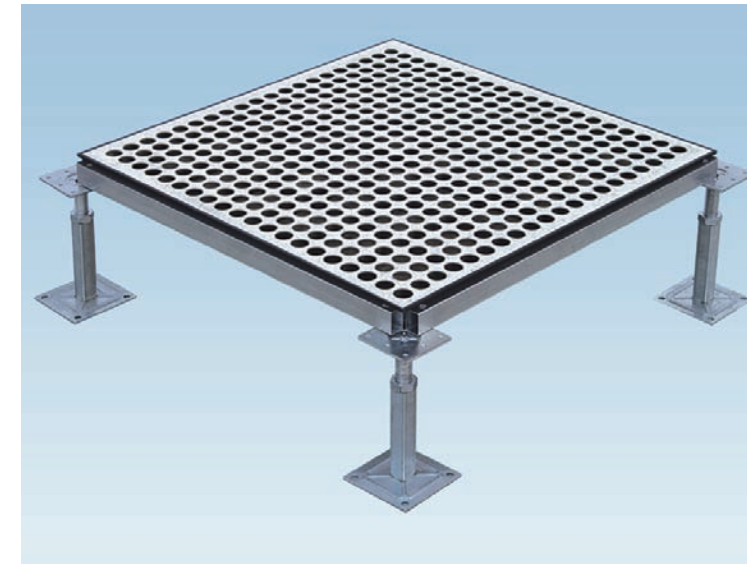
- Finished floor heights: 150mm ~ 1200mm.
- PVC taped rectangular stringer provides excellent loading and air-tightness performance.
- SteelCrete Access Floor is Zinc Whisker Free.

SteelCrete Access Floor for Data Center



Perforated Panel For SteelCrete Access Floor

- Perforated panel is specially constructed to allow for air flow distribution from under the raised access floor. In today's data center design, 45% airflow rate of perforated panel is the minimum requirement.

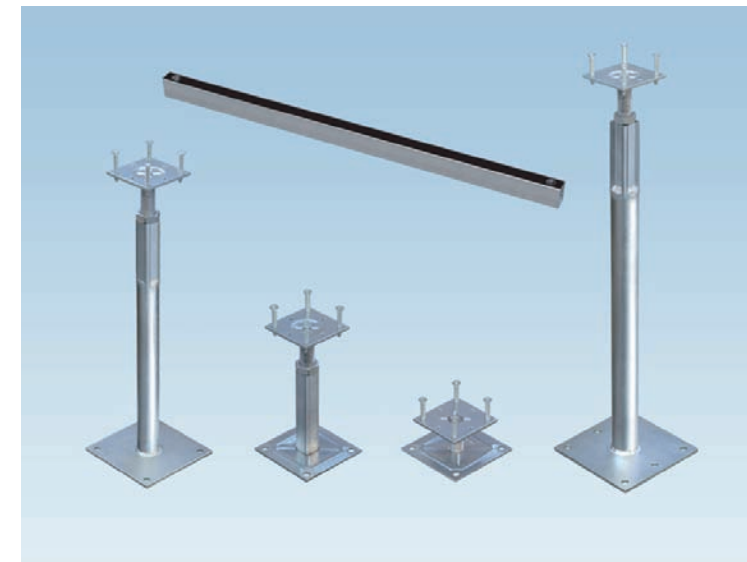


Bare/HPL/Vinyl Finished Perforated Steel Panel + Bolted Stringer System

- Dimension: 600mm x 600mm.
- Perforated panel airflow rate 50%.
- Perforated panel grades: PERF1000, PERF1250.
- Wide range of HPL/Vinyl finishes.

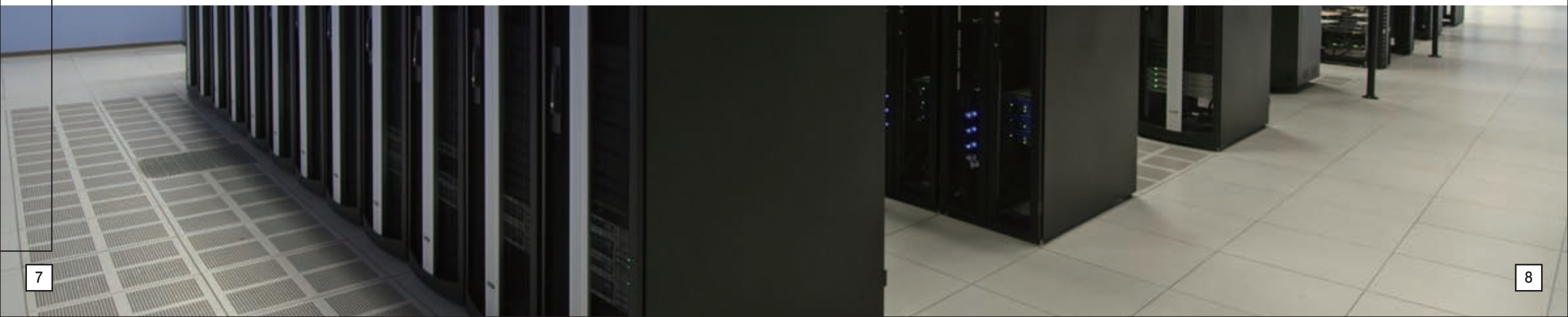
SteelCrete Perforated Panel Performance Chart

General Information				Static Loads			Rolling Loads		Impact Loads
Perforated Panel	Top Steel	Understructure	System Weight	Concentrated Loads	Ultimate Loads	Uniform Loads	10 Passes	10,000 Passes	
PERF1000	1.5mm	Bolted Stringer	6.7lbs/ft ² 32kg/m ²	1000lbs 454kg	3000lbs 1363kg	350lbs/ft ² 16.75kPa	Not Recommended		150lbs 68kg
PERF1250	2.0mm	Bolted Stringer	7.3lbs/ft ² 35kg/m ²	1250lbs 567kg	3750lbs 1701kg	400lbs/ft ² 19.1kPa	Not Recommended		150lbs 68kg



Bolted Stringer System

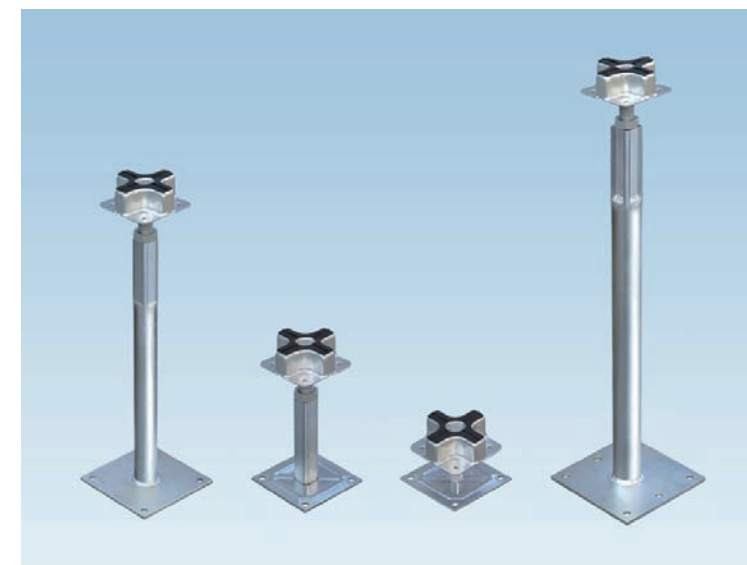
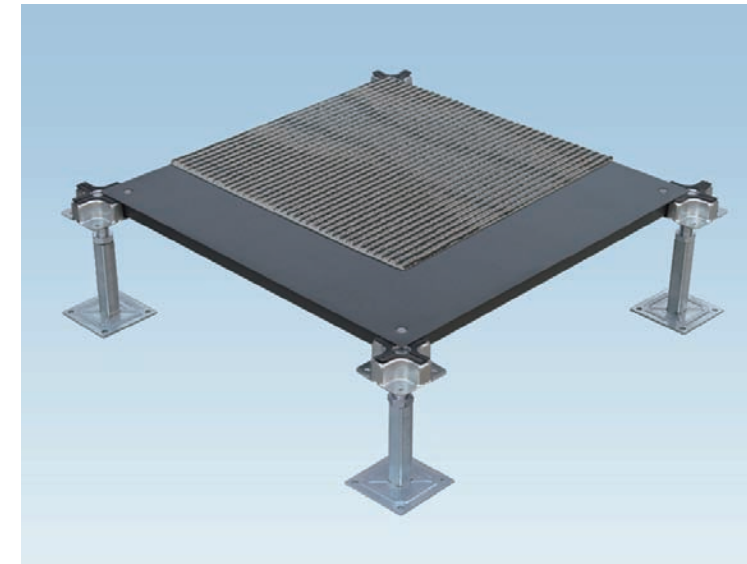
- Finished floor heights: 150mm ~ 1200mm.
- PVC taped rectangular stringer provides excellent loading and air-tightness performance.
- SteelCrete Access Floor is Zinc Whisker Free.



SteelCrete Access Floor for General Office



■ Raised access floor system is the basis of a flexible, high performance workplace. Where air flows cleaner and easier. Where technology adapts with ease. Where the infrastructure operates more cost-effectively than ever before. And where the workplace responds and changes at the speed of business.



Bared Finished SteelCrete Access Floor Performance Chart

General Information				Static Loads			Rolling Loads		Impact Loads
SteelCrete Panel	Top/Bottom Steel	Understructure	System Weight	Concentrated Loads	Ultimate Loads	Uniform Loads	10 Passes	10,000 Passes	
FS800B	0.8/0.7mm	Corner	8.6lbs/ft ²	800lbs	2400lbs	300lbs/ft ²	600lbs	500lbs	150lbs
		Lock	41kg/m ²	363kg	1089kg	14.35kPa	272kg	226kg	68kg
FS1000B	0.8/0.9mm	Corner	9.2lbs/ft ²	1000lbs	3000lbs	350lbs/ft ²	800lbs	600lbs	150lbs
		Lock	44kg/m ²	454kg	1363kg	16.75kPa	363kg	272kg	68kg
FS1250B	1.0/1.0mm	Corner	9.8lbs/ft ²	1250lbs	3750lbs	400lbs/ft ²	1000lbs	800lbs	150lbs
		Lock	47kg/m ²	567kg	1701kg	19.1kPa	454kg	363kg	68kg

Bare Finished SteelCrete Panel + Corner Lock System

- Dimension: 600mm x 600mm.
- SteelCrete panel grades: SC800, SC1000, SC1250.

Corner Lock System

- Finished floor heights: 75mm ~ 1200mm.
- SteelCrete Access Floor is Zinc Whisker Free.



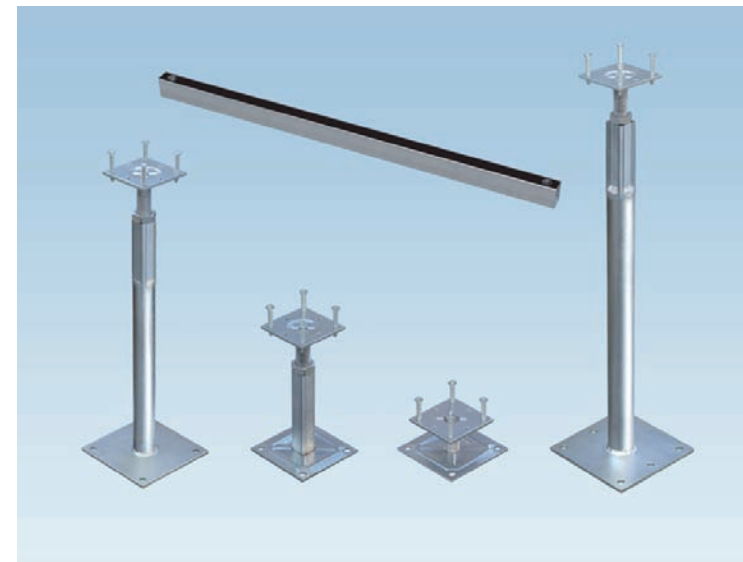
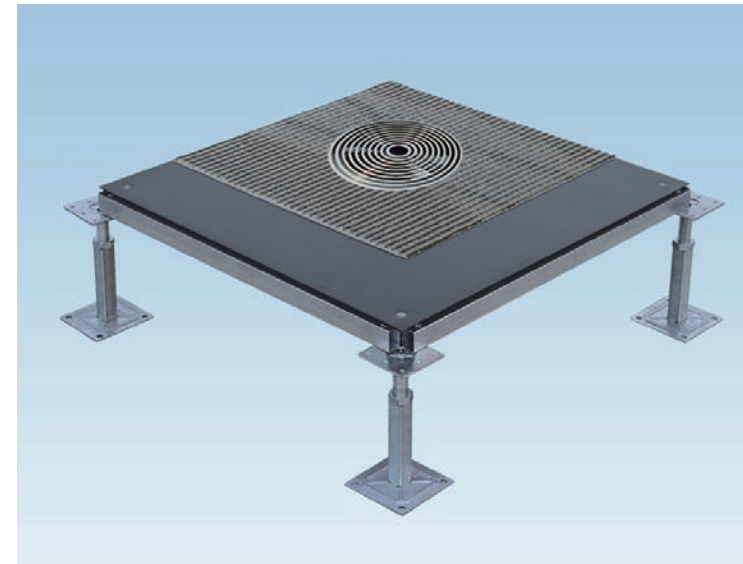
SteelCrete Access Floor for Underfloor Air Distribution



- Underfloor Air Distribution systems are a general class of air distribution systems that deliver air through diffusers in the raised access floor, with the intent of maintaining comfort and indoor air quality levels only in the occupied lower portion of space.

Bared Finished SteelCrete Access Floor Performance Chart

General Information				Static Loads			Rolling Loads		Impact Loads
SteelCrete Panel	Top/Bottom Steel	Understructure	System Weight	Concentrated Loads	Ultimate Loads	Uniform Loads	10 Passes	10,000 Passes	
FS800B	0.8/0.7mm	Bolted Stringer	9.2lbs/ft ² 44kg/m ²	800lbs 363kg	2400lbs 1089kg	300lbs/ft ² 14.35kPa	600lbs 272kg	500lbs 226kg	150lbs 68kg
FS1000B	0.8/0.9mm	Bolted Stringer	9.8lbs/ft ² 47kg/m ²	1000lbs 454kg	3000lbs 1363kg	350lbs/ft ² 16.75kPa	800lbs 363kg	600lbs 272kg	150lbs 68kg
FS1250B	1.0/1.0mm	Bolted Stringer	10.4lbs/ft ² 50kg/m ²	1250lbs 567kg	3750lbs 1701kg	400lbs/ft ² 19.1kPa	1000lbs 454kg	800lbs 363kg	150lbs 68kg



Bare Finished SteelCrete Panel + Bolted Stringer System

- Dimension: 600mm x 600mm.
- SteelCrete panel grades: SC800, SC1000, SC1250.
- Used with TROX® Floor Diffuser.

Bolted Stringer System

- Finished floor heights: 150mm ~ 1200mm.
- PVC taped rectangular stringer provides excellent loading and air-tightness performance.
- SteelCrete Access Floor is Zinc Whisker Free.

TROX® Floor Diffuser

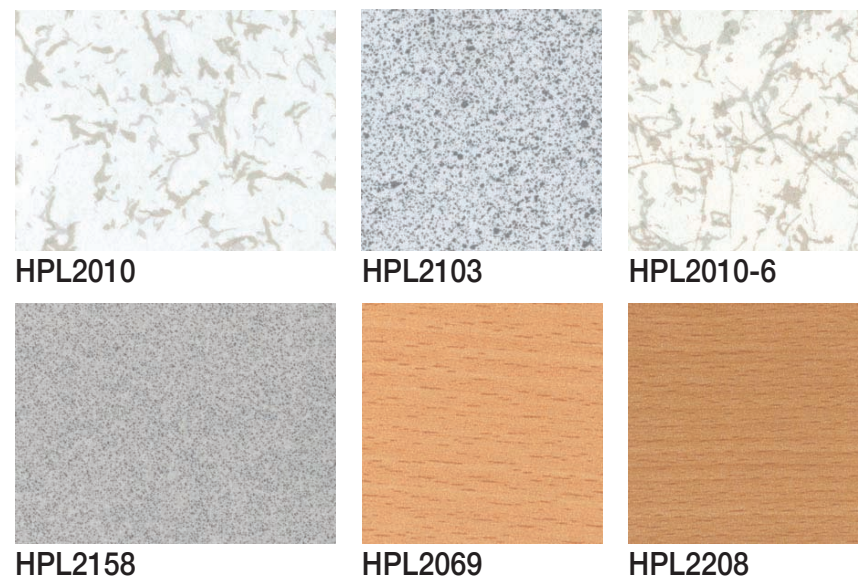
- TROX® floor diffusers type FB can provide comfortable and energy efficient air discharge into the space, by complimenting existing upward convection streams present in the occupied zone. This principle allows the local heat loads to be targeted directly.
- TROX® floor diffusers type FB can be used with SteelCrete Access Floors for Underfloor Air Distribution applications.





HPL And Vinyl Finishes

- One of the advantages of a raised access floors is that it is fitted dry to overcome any difficulties on the building's floor slab.
- By offering a wide variety of aesthetical and functional finishes, it is an extremely versatile system which gives the designer great freedom of action.

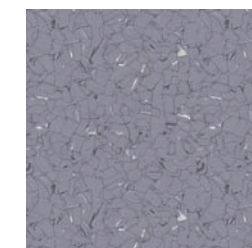


Dissipative HPL Tile

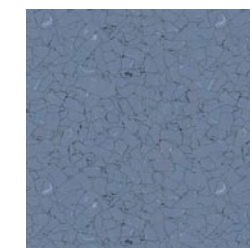
- Thickness: 1.6 mm
- Electrical Resistance: $1 \times 10^6 \sim 2 \times 10^{10}$ Ohm



C6101



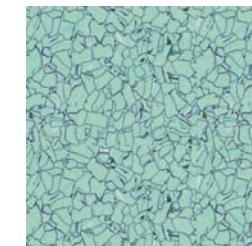
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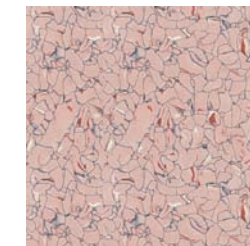
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C601



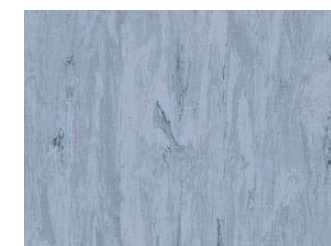
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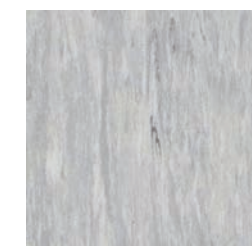
C6131

LG® ESD Control Vinyl Tile

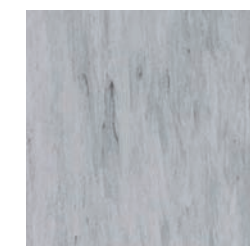
- Thickness: 2.0 mm
- Electrical Resistance: $2.5 \times 10^4 \sim 1 \times 10^6$ Ohm



0112-Storm



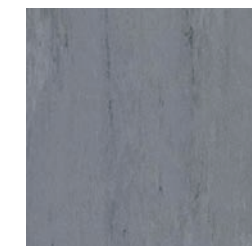
0002-Platinum



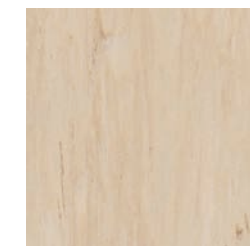
0005-Steel



0306-Green



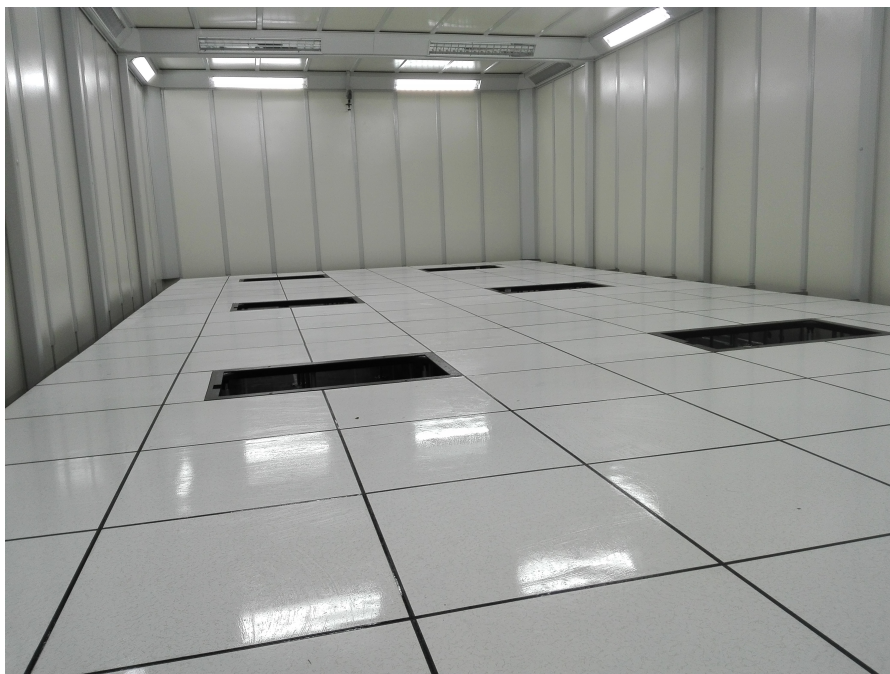
0013-Pewter



0006-Honey

Gerflor® MIPOLAM ESD Control Vinyl Tile

- Thickness: 2.0 mm
- Electrical Resistance: $1 \times 10^6 \sim 1 \times 10^8$ Ohm



Direcciones:

ICTEC SRL Bolivia

Dirección: Av. Mariscal Montenegro N° 1350 Edificio J&M 3er Piso

Tel.: (591)(2)2141425

Correo: contacto@ictec.com.bo
sales@ictec-global.com

Web: <https://www.ictec.com.bo>

Direcciones:

ICTEC Paraguay

Avenida Aviadores del Chaco Numero 3207 Edificio Trading Park
Piso 7.

Correo: contact@ictec-global.com
Web: <https://ictec.com.py>

Direcciones:

ICTEC USA

2939 Blystone Ln, Dallas, TX 75220, United States

Correo: contact@ictec-global.com
Web: <https://ictec-global.com>