

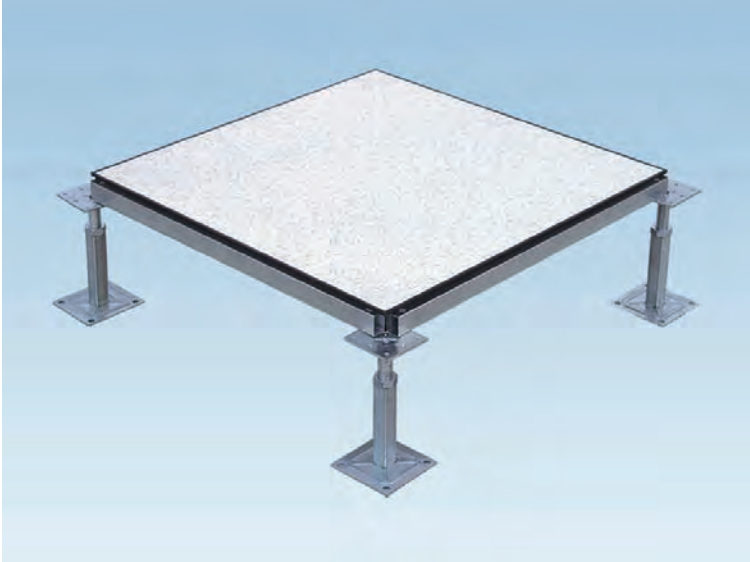
SteelCrete Access Floor For Data Center

Product Guide

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.

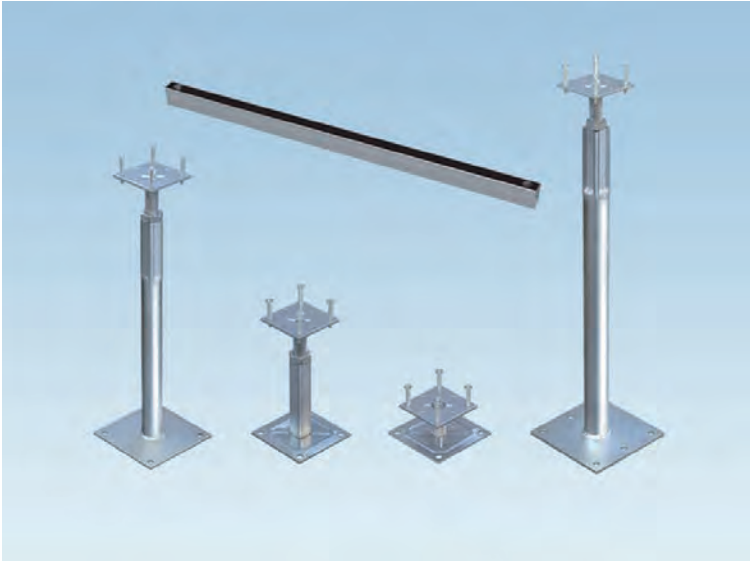


HPL/Vinyl Finished SteelCrete Panel + Perforated Panel + Bolted Stringer System

- Dimension: 600mm x 600mm or 24" x 24".
- SteelCrete panel grades: SC800, SC1000, SC1250.
- Wide range of HPL/Vinyl finishes.

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	
SC800	0.7/0.7mm	Bolted Stringer	10lbs/ft² 48kg/m²	800lbs 363kg	2400lbs 1089kg	300lbs/ft² 14.35kPa	600lbs 272kg	500lbs 226kg	150lbs 68kg
SC1000	0.8/0.8mm	Bolted Stringer	10.6lbs/ft² 51kg/m²	1000lbs 454kg	3000lbs 1363kg	350lbs/ft² 16.75kPa	800lbs 363kg	600lbs 272kg	150lbs 68kg
SC1250	0.8/1.0mm	Bolted Stringer	11.2lbs/ft² 54kg/m²	1250lbs 567kg	3750lbs 1701kg	400lbs/ft² 19.1kPa	1000lbs 454kg	800lbs 363kg	150lbs 68kg



Bolted Stringer System

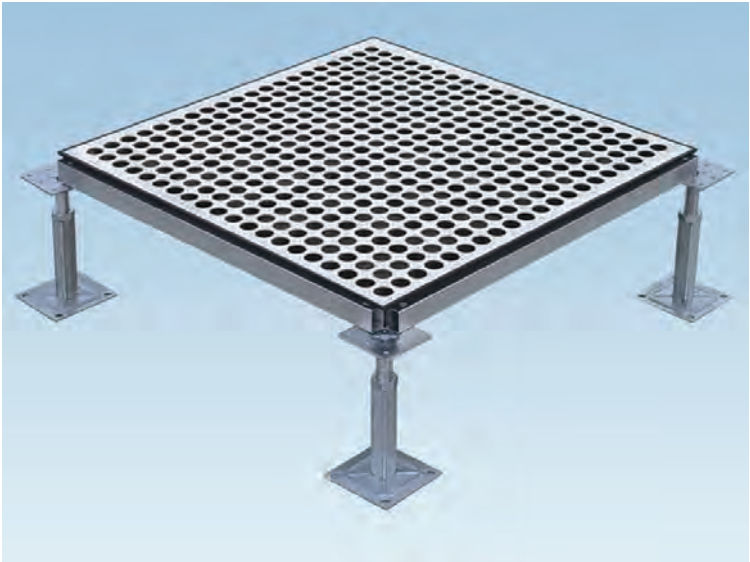
- Finished floor heights: 150mm ~ 1200mm.
- PVC taped rectangular stringer provides excellent loading and air-tightness performance.
- SteelCrete Access Floor is Zinc Whisker Free.

SteelCrete Access Floor for 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.

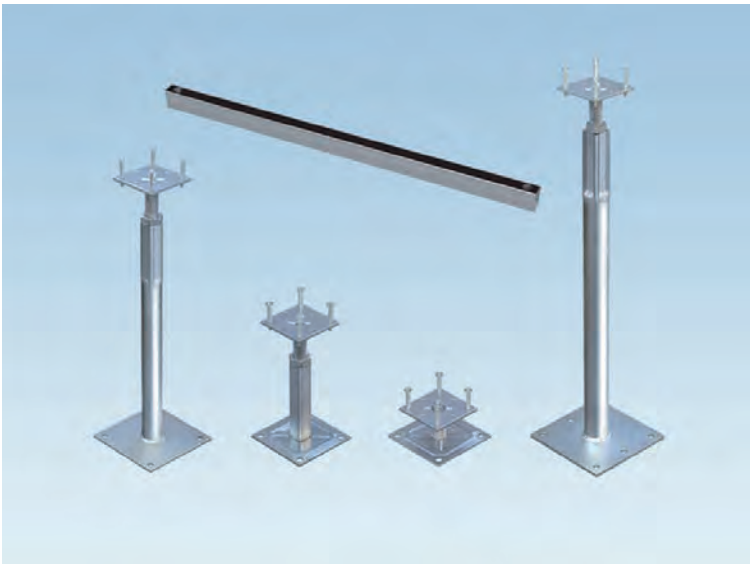


Bare/HPL/Vinyl Finished Perforated Steel Panel + Bolted Stringer System

- Dimension: 600mm x 600mm.
- Perforated panel airflow rate 50%.
- Perforated panel grades: PERF1000.
- 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	2.0mm	Bolted Stringer	6.7lbs/ft² 32kg/m²	1000lbs 454kg	3000lbs 1363kg	350lbs/ft² 16.75kPa	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.



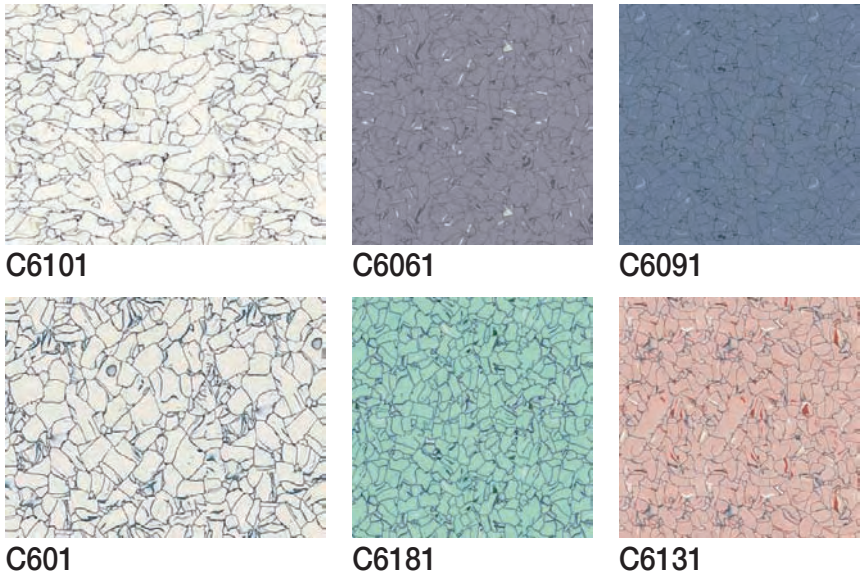


HPL And Vinyl Finishes

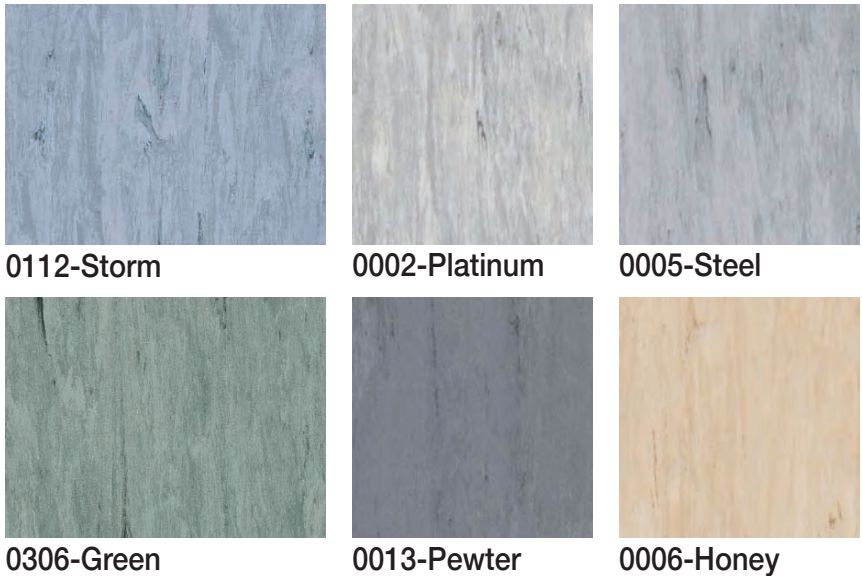
- One of the advantages of a raised access floors is that it is fitted dry to overcome any difficulties on the building's floor slab.
- By offering a wide variety of aesthetical and functional finishes, it is an extremely versatile system which gives the designer great freedom of action.



- Dowseng® Dissipative HPL Tile**
- Thickness: 1.6 mm
 - Electrical Resistance: $1 \times 10^6 \sim 2 \times 10^{10}$ Ohm



- LG® ESD Control Vinyl Tile**
- Thickness: 2.0 mm
 - Electrical Resistance: $2.5 \times 10^4 \sim 1 \times 10^6$ Ohm



- Gerflor® MIPOLAM ESD Control Vinyl Tile**
- Thickness: 2.0 mm
 - Electrical Resistance: $1 \times 10^6 \sim 1 \times 10^8$ Ohm



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