

TECH FLOOR®

RAISED ACCESS FLOOR SYSTEM



ENGINEERED FLOORS ON A HIGHER LEVEL

Bergvik's Tech Floor is a raised access floor system providing flexibility, stability, strength and personal safety. Engineered for applications where changing technology requires future modifications, Tech Floor is an excellent solution for electrical, plumbing, cable and HVAC installations.

Tech Floor's unique solid panel construction with tapered edges assures that all panels stay flush to prevent tripping. The thin ABS plastic edge trim fully protects the edge of the surface while presenting a smooth profile. The Bergvik Laminate finish, extremely wear-resistant and easy-to-clean, is standard on Tech Floors. Floor panels are also available in a wide variety of optional surface finishes suitable for projects of any size. Panels are available in three standard sizes with unlimited custom options for adapting to special equipment or furniture needs. Bergvik also offers a complete range of accessories to accompany our Tech Floors.

Bergvik, a leading, innovative raised floor supplier, guarantees quick delivery and fast service on all our flooring products. Trust the Bergvik name for quality and dependability.

“We selected Tech Floor from Bergvik for our new operations center in Berlin, Maryland because of their color choices, excellent pricing and global installation references.”

*Reese Cropper
Chairman & CEO
Calvin B. Taylor Bank, Berlin, MD*

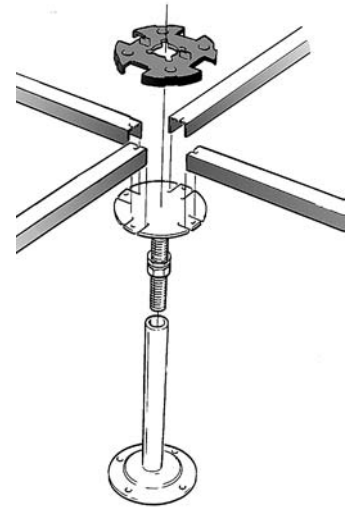


Tech Floor with linoleum panel finish at Taylor Bank, Berlin MD

STEEL FLOOR STRUCTURE

The Tech Floor structure is constructed of steel and consists of pedestal supports that use an adjustable pedestal head. The pedestal head sits on a semi-conductive pad which locks the floor panel and pedestal jointly into position. For additional lateral support of floor heights from 16 to 24" (400 to 610 mm), drop-in stringers of a U-section are available.

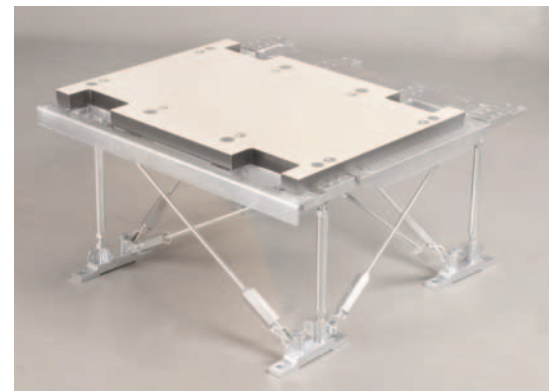
The popular Bergvik Iso Floor System is recommended when there is excessive underfloor cabling and/or high equipment load at floor heights over 20" (500 mm).



EVEN EARTHQUAKES WON'T SHAKE US

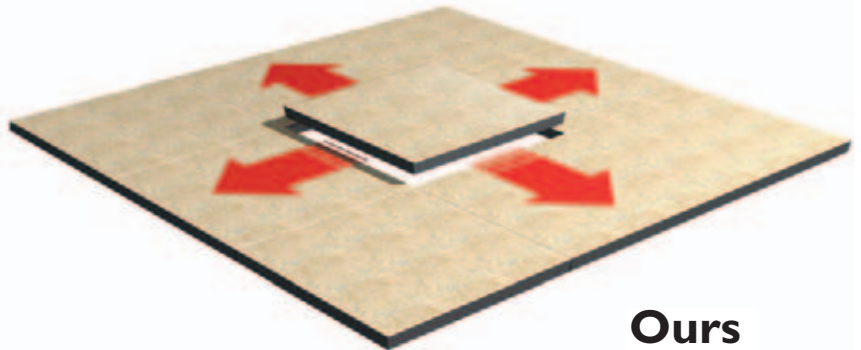
The Bergvik seismic bracing frame is the most reliable product on the market and is tested to Telcordia requirements GR-63-CORE for Seismic Zone, 4.

These frames are designed specifically to match the equipment mounted on them and are engineered to accommodate manufacturers such as Alcatel, Ericsson, Emerson, Nortel, Hendry, Marconi, Tyco and many others.

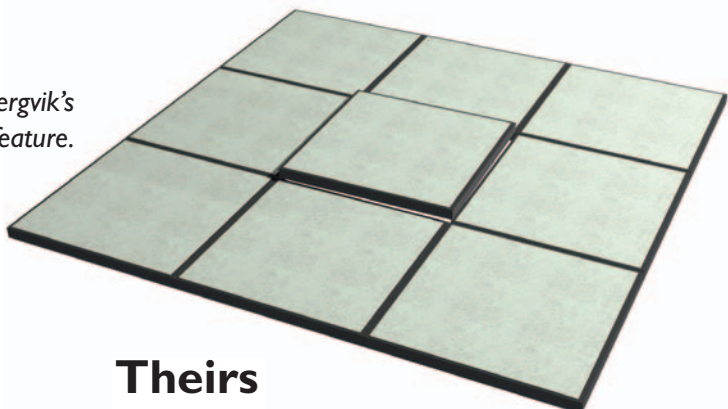


TAPERED EDGE FEATURE

When floor panels are removed from conventional access floor pedestal systems, the floor can shift since the floor panels are an integral part of the floor's stability. Bergvik's unique solid panel construction with tapered edges assures that all panels stay flush to prevent tripping.



Most of our competitors do not have Bergvik's unique tapered edge design feature.





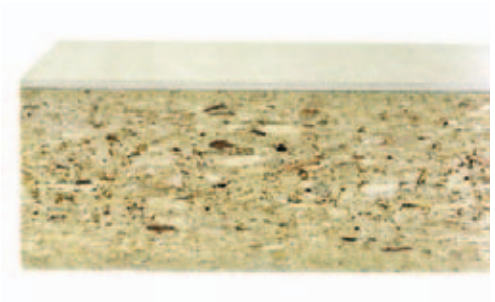
Tech Floor's thin ABS plastic edge trim (0.02" or 0.45 mm) fully protects the edge of the surface while offering an aesthetically pleasing appearance by making the panel edges virtually disappear into the flooring surface.



Tech Floor with Beech Parquet in Dispatch Center, Gavle, Sweden

STANDARD PANEL CORE

The standard panel consists of a 1½" (38 mm) high density particleboard, moisture resistant quality V313. This panel is recommended for most applications.



Standard Panel

OPTIONAL PANEL CORE

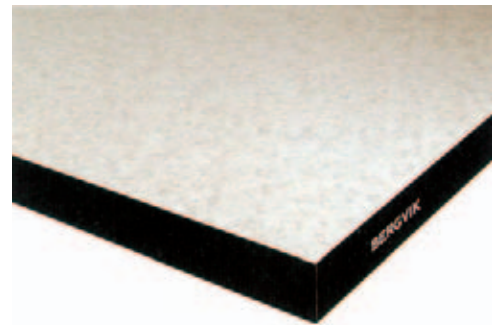
As an option, we offer an all non-combustible calcium sulfate panel. This type of panel may be required when, in accordance with local building codes, there are limitations on the amount of combustible materials to be used.



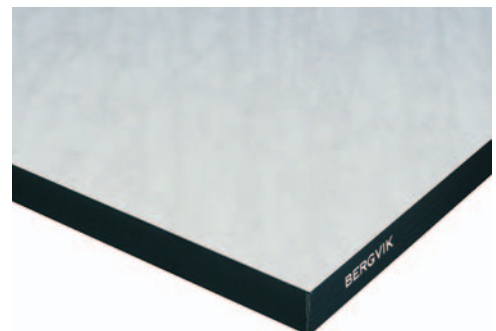
Non-combustible Panel

STANDARD LAMINATE SURFACE

The Bergvik Laminate finish, extremely wear resistant and easy-to-clean, is standard on Tech Floors. Difficult stains such as paint or ink can be quickly removed with rubbing alcohol. Highly resistant to harsh chemicals, even battery acid, the laminate surface is applied directly, without using glue which could work loose and cause smudging.



M335 Granite Laminate surface



M102 Marble Laminate surface

OPTIONAL SURFACE FINISHES

As an alternative to our standard laminate surface, we offer linoleum, parquet, vinyl, carpet, natural stone and other fine finishes, all with an aluminum backing. A variety of color and pattern choices are available to satisfy your creative mind.

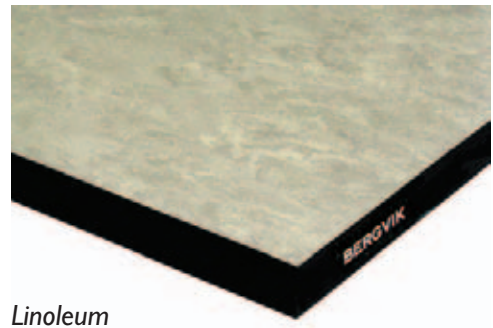
Tech Floor panels with aluminum or steel backing are all Class A rated in accordance with ASTM E84.

CUSTOM PANELS ARE STANDARD

Floor panels from Bergvik come in both inch and metric standard sizes. They are 24" square (600 x 600 mm), 31½" x 24" (800 x 600 mm) and 15½" x 24" (400 x 600 mm). Other custom sizes are available as well.



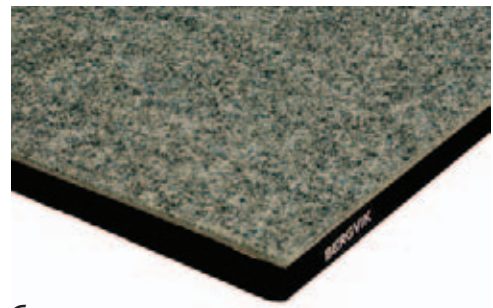
Patterned Linoleum panels



Linoleum



Vinyl



Carpet

ACCESSORIES

All panel types are available with pre-cut holes for ventilation, utility access boxes or air grills. Other accessories include aluminum steps, ramps, guard rails and fascia panels.

For all accessories, separate instructions for care and maintenance, including data sheets, are available upon request.

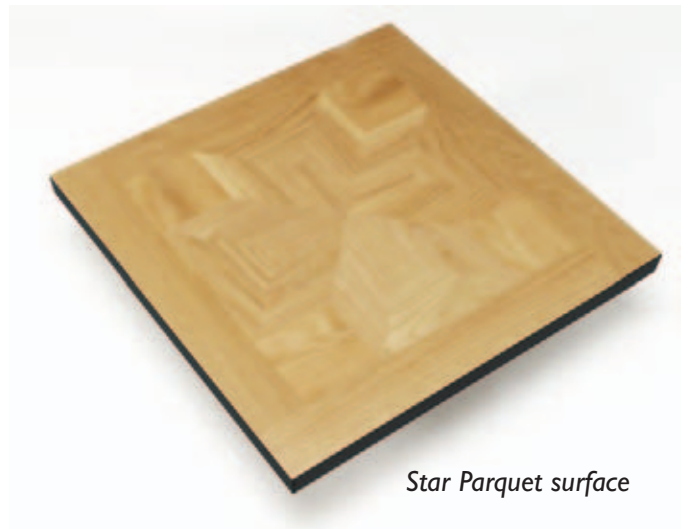
PARQUET — OH WHAT A FEELING

Natural materials evoke a special feeling compared to something artificial. For thousands of years wood has been used in many different ways, such as for tools, building materials and even art. Today we choose wood for that feeling of having a part of nature in our working environment and in our homes. Wood is also an excellent anti-static flooring surface.

Wood looks as attractive in a modern design environment as it does in a more classical one. Flooring is the foundation of most buildings and the type of wood chosen reflects the atmosphere you want to create. A darker type of wood, like American White Oak, creates a calmer, more harmonic environment while a lighter, Canadian Maple brings out and brightens up the surroundings.

Bergvik offers a wide range of beautiful access floors in a variety of wood finishes. Whatever you're looking for, we can deliver.

Tech Floor wood core panels are environmentally safe and 90% recyclable.



Star Parquet surface



Custom Parquet surface



Oiled White Oak Parquet creates an harmonic atmosphere in this library.

TECH FLOOR TECHNICAL DATA

The floor system in general

Gross weight: approx. 7.8 lbs/ft² or 0.38 kN/m²

Uniform distributed load (UDL): 309 lbs/ ft² (15 kN/m²) at FFH max 24" (610 mm)

Deflection UDL: < L/360

Grounding: Carried out by electrical contractor according to the project specifications

Finished floor height (FFH): 3-24" (75 - 610 mm)

Steel structure finish: All steel parts are zinc plated to assure maximum corrosion resistance

Levelling of floor: ± ½" (13 mm) from nominal heights of FFH 3-7" and

± 1" (25 mm) from nominal heights of FFH 8" and up

Note: Load tests were conducted in accordance with CISCA 1987 and have met the requirements.

Standard floor panel specifications

Material: 1½" (38 mm) high density and V313 moisture resistant particleboard

Standard dimensions: 24" square or 600 x 600 mm, 31½" x 24" or 800 x 600 mm and 15½" x 24" or 400 x 600 mm

Standard surface finish: Bergvik Laminate.

Electrical conductivity: 10¹⁰ - 10¹² Ohms (Laminate panel)

Standard surface color: M102 Marble or M335 Granite

Wear resistance: >6000 cycles according to EN 438-2:6 1991

Color fastness: 6 according to EN 438-2:16 1991

Weight: 22 lbs (10 kg) for floor panel 24" square or 600 x 600 mm

Impact resistance: Meets with DIN 68751 specifications

Cleaning: Dry mop or vacuum. For difficult stains, rubbing alcohol may be used.

Fire resistance: Bottom side tested by ETL Semko, USA according to ASTM E84.

Difficult to ignite according to TNC 89 (NT Fire 002).

Optional Floor Panel Conductivity: Linoleum, Carpet and Wood is 10⁹ - 10¹⁰ Ohms;

Vinyl is 10⁶ - 10⁸ Ohms



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