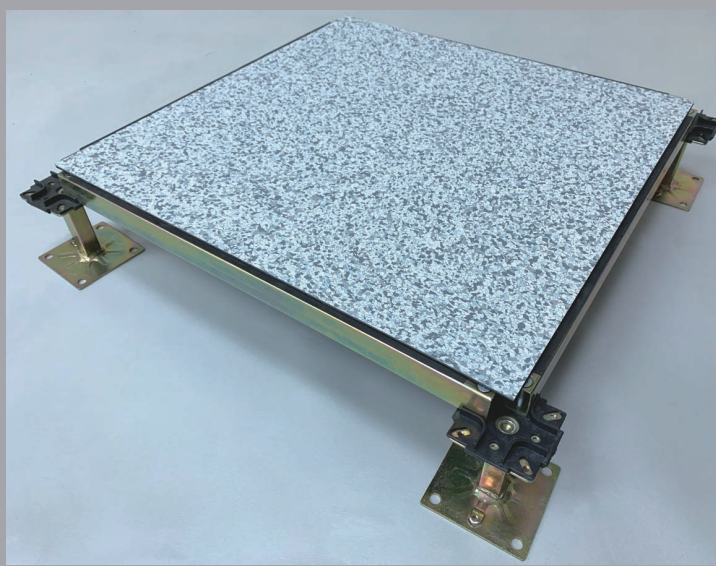


STACO[®]

Static Control Access Floor System



CO20 / 30 series static conductive access floor
AN20 / 30 series anti-static resilient access floor
FS / US series standard bare panel access floor
Perforated access panel and air diffuser
Complete range understructure
Complete range service floor boxes

www.NETFLOR.com

I. STACO CO20 / CO30 series

Static Conductive Access Floor Systems

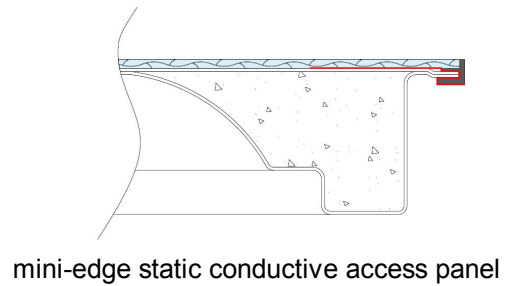
STACO CO20 / CO30 series has unique production process to provide static conductivity. The access panels are top-finished with conductive vinyl tile and protective edges at four-sides. Two copper strips are bonded under two sides of the tile prior to bonding onto access panel. Conductive continuity is contributed by the copper strips, which act as a connecting pathway. Static flows through conductive tile, conductive grid system, and dissipating through the earthing ground point. The system is suitable for using at hi-tech factory, pharmaceutical, food procession, operation room, hospital ward, computer and control center, arsenal warehouse, and etc.

Access panel: size 600mmX600mm (also 24”X24”)

Conductivity property: Surface static resistance at $2.5 \times 10^4 \sim 10^6$ ohm.

Resilient: Access panel top-finished with homogeneous Conductive vinyl tile of 2.0 / 3.0 mm thickness.

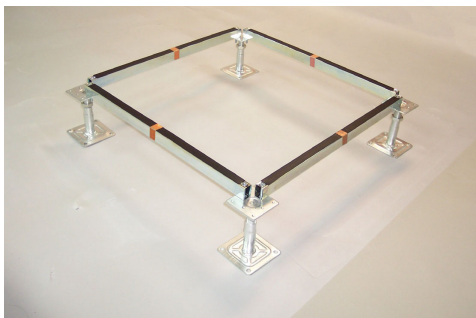
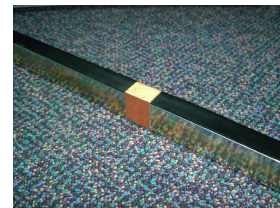
Durability: Pure vinyl, high durability.



Mini-edge vinyl trim bonded at four-sides of vinyl tile and access floor panel, providing secure protection. (note: Mini-edge access panels only available for loading property 1250LB, 1000LB and 800LB, and only for size 600mmX600mm)

Static conductivity: Each conductive tile, prior to bonding onto access panel, pre-bonded by copper stripes at mid of 2 tile's sides, extended through and underneath 2 vinyl trims of the panel, which to contact at copper stripes at center of stringers for static conductivity through stringers, pedestals, and to building earthing points.

Conductive stringer: copper strip taped at center of acoustic foam taped stringer, connect conductive tile and grid-pattern stringers.



Static conductivity to earthing point in the building:

At the time CO20 access panels installed on stringers, statics are dissipated through access panels' surface, stringers, understructure system, to building earthing points.

II. STACO AN20 / AN30 series

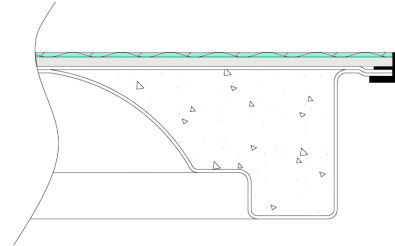
Anti-Static Resilient Access Floor Systems

Access panel: size 600mmX600mm (also 24”X24”)

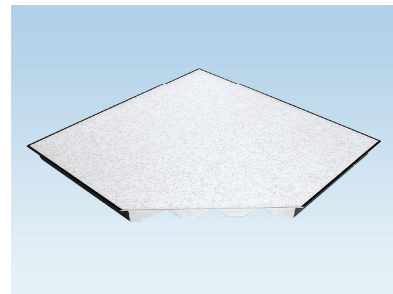
Anti-static property: Surface static resistance at $10^8 \sim 10^{12}$ ohm.

Resilient: Access panel top-finished with homogeneous conductive vinyl tile of 2.0 mm or 3.0 mm thickness.

Hard-wearing: Pure vinyl 2.0 and 3.0 mm thickness.



Mini-edge vinyl trim: same production procedure as CO20 / CO30 series, but without conductive coppers strip and conductive stringer.



Applications

Systems suitable for light to heavy traffic – factory offices, banks, schools, libraries, museums, and all public institutional interiors.



Loading property: for [STACO CO](#) and [AN](#) series, applied steel cementitious access panels of complete loading grades, from light to heavy duty: 800LB, 1000LB, 1250LB, 1500LB, 2000LB. (special run for 1350LB, 2640LB).

III. STACO FS/US series

Bare Panel Access Floor system

The **STACO FS/US** series provides bare finish access floor system for general office applications. Carpet tiles, vinyl tiles, or other floor coverings are installed at job site after complete installation of the US/FS bare finish access floors.

The access panels are also using as base panels of the CO20 and AN20 series, factory assembly for static conductive access floors, and anti-static access floors.

System description

Access panels size: 600mmX600mm, also 24"X24"

Performance of complete STACO access floor ranges:

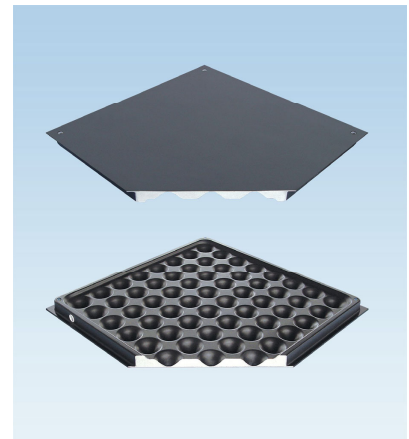
- ✓ non-combustible
- ✓ cementitious core in welded steel
- ✓ loading property for medium to heavy traffic
- ✓ interchangeable access panel
- ✓ moisture resistance, better than woodcore
- ✓ top finished by all major type floor coverings - carpet tiles, vinyl tiles,
- ✓ comply with electricity, data. voice outlet boxes, and HVAC Under-Floor Air Conditioning.
- ✓ compliance with CISCA and all other internationally accepted standards.



Structure of STACO access panels

Welded form steel access panel, in-filled with light-weight cement, corrosion protection by powder coating.

Loading property: Steel cementitious access panels of complete loading grades, from light to heavy duty: 800LB, 1000LB, 1250LB, 1500LB, 2000LB. (special run for 1350LB, 2640LB)



Access floor panels main specifications

STACO systems	Panel Size (mm)	Concentrate load (2.5 mm def.)		Concentrate ultimate load		Uniform load KN / M2
		LB	KN	LB	KN	
FS-800	600X600	> 800	> 3.56	>2000	>8.90	>16.5
FS1000 / US1000	600X600 (also 24"X24")	> 1000	> 4.45	>2500	>11.12	>23.0
FS1250 / US1250		> 1250	> 5.56	>2750	>12.23	>33.0
FS1500 / US1500		> 1500	> 6.68	>3000	>13.35	>39.0
FS2000 / US2000		> 2000	> 8.90	>4000	>17.8	>52.0

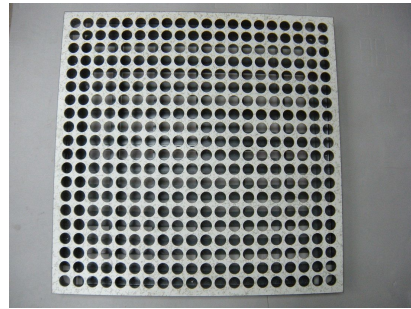
IV. Perforated Access Panels and Air Diffusers

Perforated panels for UFAD

Available for specific air-flow ratio, using in data centers, clean rooms, and etc.

Air-flow ratio: 21%, 24%, 32%, 45%.

Finishing: available in vinyl or HPL, four sides sealed by vinyl trimmers as protection.

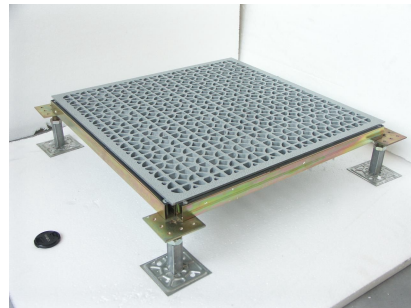


Aluminum die-casting grating panel

Air-flow ratio at 56%

Loading property:

Concentrate load: 600 and 1000 Lbs
(special run for extra-heavy loading)



Aluminum Air Diffusers

Aluminum die-cast air diffusers are installed at center of access panels.

Aluminum air diffusers are using for UFAD in offices, libraries, recreational facilities, and institutional interiors, etc.
The diffusers are heavy-duty, suitable for pedestrians walking environments, but not suitable for rolling under heavy carts.

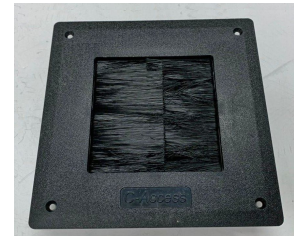


Opening with Brushes

Install “opening with brushes” by cutting at center of access panels.

The brushes are available in 2 types.

1. Aluminum frame:
open dimension: 197mmX137mm
 2. Plastics frame:
open dimension: 99mmX99mm
- Brushes material: nylon / polyamide



V. Understructure

Understructure systems

1. Corner-lock on pedestals, without stringer.
2. Bolted stringers, lay-in access panels or corner-locked panels.

Corrosion protection: All understructure systems are made of full steel, corrosion protection in accordance with specifications:

- (1) Zinc plating.
- (2) Hot-dipped galvanized.
- (3) Non-zinc whisker plating.

Corner-lock pedestal for bare panel

Pedestal: consisted of headset, pedestal pipe and base.
Standard height: FFH 150 mm to 400 mm.

Bolted stringer and pedestal for lay-in panel

Stringer: square steel tube, pre-punched holes at two ends, for fastening at top of pedestal headset, automatically form a grid-pattern stringers, and laid-in by access panels.

Shock absorption

PVC strip taped on top of stringer, to provide shock absorption and noise dampness

Height: Pedestals are available in a number of heights to support finish floor height (FFH) from 150mm (6") to 1200mm (4 FT).
Each pedestal allows ± 25 mm height adjustment.

Specs of the understructure pedestals and stringers

Size and thickness of top-plate, bolts, pedestals, pedestal base plates, stringers:
To provide in accordance with project's requirements on FFH (finish floor height), seismic zone, span of pedestals and all special requirements.



VI Specialty Understructures

Seismic Resistance and Shock-Absorption

For FFH greater than 600mm (2 feet), size and thickness of pedestals, top-plate and base plate are greater than normal. Shock absorption devices are additional designed at top of the pedestal pipes, and nuts to fasten the top-plates.



VII. Service Floor Boxes

Wide-range floor boxes accommodate all types of power socket in EC, U.K, Middle East, USA, Australia, and most of other countries.

1. **SS60:** stainless steel lid - height 60mm / 80 mm / 100 mm

Stainless steel mounting lid and galvanized steel base box, 2 or 3 compartments based on requirement, for access floor finish floor height 60 mm.



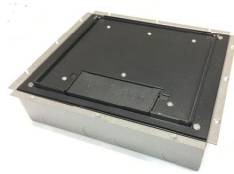
Dimension: 250 mm X 220 mm

Height: 60 mm / 80 mm / 100 mm (access floor minimum finish height)

Mounting lid: polishing stainless steel tray, middle with recess 6.5 mm for topping.

2. **SE60:** reinforced steel mounting lid - height 60mm / 80 mm / 100 mm

Reinforced mounting lid, galvanized steel base box, 2 or 3 compartments based on requirement, for access floor finish floor height 60 mm.



Dimension: 248 mm X 218 mm

Height: 60 mm / 80 mm / 100 mm (access floor minimum finish height)

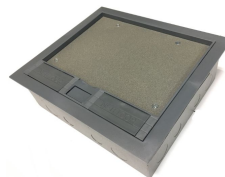
3. **SB75:** carbonated lid - height 75mm / 100 mm

Poly-carbonated lid and galvanized steel base box, 2 or 3 compartments based on requirement, for access floor finish floor height minimum 75 mm.

Dimension: 250 mm X 220 mm

Height: 75 mm / 100 mm

(access floor minimum finish height)



STACO[®]

Quality Assurance: All STACO product lines are quality assured of 5 years limited warranty.



Maintenance

Static conductive access floor and anti-static access floors: Maintain in accordance with static conductive floor procedures.

Clean the dirt, rinse with clean water.

Do not use oil-base wax.



Patent pending:

CO20 static conductive system is patent pending in the USA, China, Taiwan, and other countries.



In pursuing quality improvement, the manufacturer reserves the right to vary specifications without prior notice.

www.netfloor.com



*A product division of Netfloor, Inc.
May 2020*