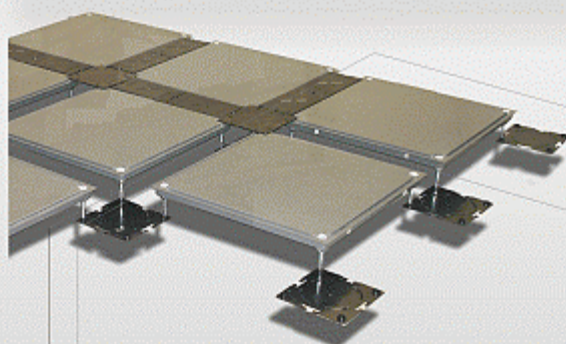


CamassCrete

CS1000A/CS1000W series



Low-Profile: FFH 76 ~ 150 mm
Super Low-Profile: FFH 45/50/60 mm

User Friendly
fully accessible cable trenches
100% re-usable

Cable Management Access Floor

www.net-floor.biz

CamassCrete CS1000A / CS1000W

CS1000A / CS1000W system is a continuous improvement on CamassCrete product line. The new Flank Caps securely interlock on the grooves at four sides of UniPanel (main panel). The patented Cable Trench system, a continuous grid-form cable trenches throughout the floor plan, provides free accessibility to users and maximum capacity for network's cable distribution and extension. The unique invention [Socket-Set-Screw](#) system contributes super-low installation at FFH (finish floor height) from 60 mm down to 40 mm, which traditional access floors are not capable to install.

Users Friendly

Reticulated Cable Trench System: Grid-form Cable Trench system provides cable runway of inside width 110 mm (4.33") within every 600 mm. The trench caps are easily lifted and accessible by access floor installers, network technicians, and office users.

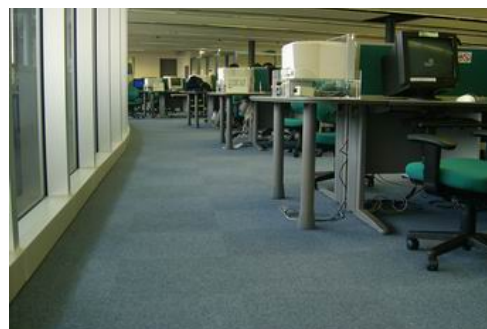
Low-Profile, least sacrifice ceiling height: The unique Socket-Set Screw system enables installation height low to 40 mm ~ 60 mm (1.57" ~ 2.36") while still facilitate high cable capacity running inside the Cable Trenches.

Stability: The self-stand [UniPanels](#) (main panel) is structured with 4 pedestals at four corner of the panel. The UniPanels, with four built-in pedestals, are standing independently. In the event of earthquake or unusual strong impact, the system will not be collapsed.

Safety, No hazard: During re-routing or re-location, the technicians or office users just lift the Cable Trench caps by hand. If the site was installed with traditional access floor, the user has to use mechanic tools, such as panel lifter, to lift the panel. Each steel cementitious or calcium sulphate structured access panel is normally weighted 12 to 15 kg (26 to 33 lb) per piece and it is not safe to operate by office people and may cause hazard.

Infinite flexibility and cost effectively

- **Easy routing and extension** of cables: Through Cable Trenches, power, data and voice cables, or even facility pipes are organized distributed and extended.
- **Extension** of cables to any point of furniture, partition, and workstation is unlimited.
- **Maintenance costs** can be neglected.
- **Pedestals are not glued to the ground.** Removal of pedestals will not damage the ground. In the event of re-location, all components are re-usable.



Self-stand UniPanel (main panel) connecting by Base Connector to form the Cable Trenches. The Base Connectors and Pedestals are not glued to the sub-floor and not causing damage to the sub-floor. The unique composition of UniPanels and Base Connectors provide maximum cable capacity and systematic cable routing, extension and connection.

The System --- CamassCrete

CamassCrete is composed of 4 main components: UniPanel (main panel), Based Connector, Central Cap and Flank Cap.

Module set: 600 mm x 600 mm (23.62" x 23.62") per module set. Each module set includes 1 UniPanel, 1 Base Connector, 1 Central Cap and 4 Flank Caps

UniPanel (main panel): Size 510 mm x 510 mm (20.07" sq.) Steel in-filled with light weight cement, powder coating. Four grooves at side of the panel to secure locking by Flank Cap. Factory assembled pedestals fixed at four corners of the panel. Due to the four built-in pedestals, UniPanel is self-stand and extraordinary stable and safety.

Base Connector: To connect UniPanels's pedestals, and automatically forms the standard-distance Cable Trenches.

Central Cap: To install on intersection of Cable Trenches.

Flank Cap: To install on Cable Trenches. Bent at side of cap to form u-shape flange which enable securely locking at grooves of the UniPanel.

Interlocking System: To install, use Base Connector to connect UniPanel's pedestal. Connecting the UniPanels is easy, no gluing, no nailing nor drilling required. Continuous connection of UniPanels, standard-distance grid-form Cable Trenches formed automatically.

Grid-form Cable Trench Systems

Reticulated grid-form cable trench system provide large cable capacity and easy routing while retains maximum ceiling height.

Specialist of Low-Profile installation

There are two height section:

CS1000W Low-Profile:

installation height from 76 mm (3")~150 mm (6").

CS1000A Super Low-Profile:

installation height at 40 mm (1.57"), 50 mm (2") and 60 mm (2.36").



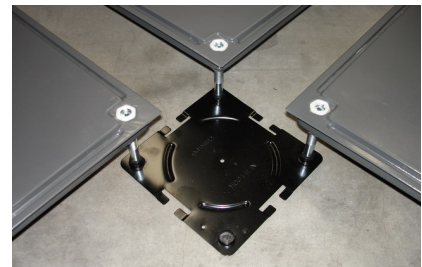
UniPanel with 4 built-in Pedestals



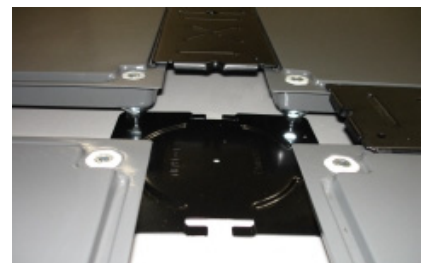
Base
Connector

Central
Cap

Flank
Cap

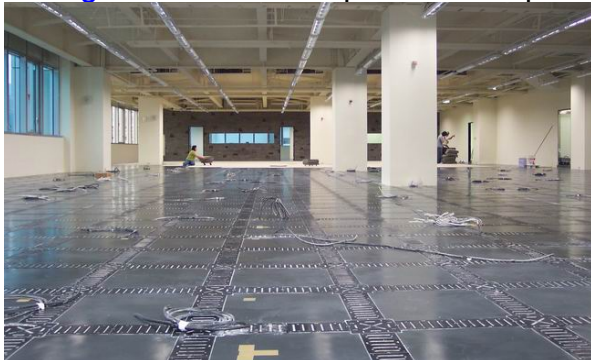


Base Connector connects pedestals forming low-profile 76~150 mm



super low-profile 40~60 mm

During installation ...corporate headquarter



Cables routing inside the Cable Trenches and extending through any point of the interiors

After installation



CamassCrete facilitates neat, efficient environment. Unlimited cable highway networked underneath

I. CamassCrete CS1000W Low-Profile

CS1000W-76 / CS1000W-100 / CS1000W-150

76 mm ~ 150 mm height

Cable Trench Capacity by different heights

Inside width: 110 mm (4.33")

Clearance: system height minus 5 mm

System	System height	Cable Trench width	Cable Trench clearance
CS1000W-76	76 mm (3.0")	110 mm (4.33")	71 mm (2.79")
CS1000W-100	100 mm (4.0")	110 mm (4.33")	95 mm (3.74")
CS1000W-150	150 mm (6.0")	110 mm (4.33")	145 mm (5.70")

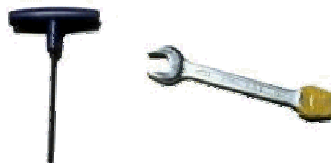
Height adjustment: Self-stand UniPanel

Where there is floor deviation, impact noise might be caused by tip of pedestals. Adjust the pedestals to eliminate noise and deviations.

Step 1: Loose the lock-nut apply the 17 mm wrench to loose the lock-nut at bottom of the pedestal by counter-clockwise

Step 2: Adjust height
apply the 4 mm hex key wrench, stretch at the hex hole at top of the pedestal, to adjust

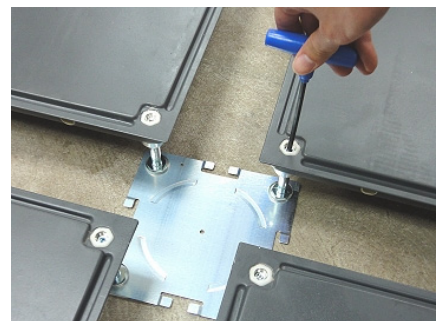
Step 3: To fasten
use the 17 mm wrench again, to fasten the lock-nut by clockwise.



4 mm hex key wrench + 17 mm wrench



Step 1 and 3: loose and fasten the pedestal at the lock-nut at bottom



steps 2 adjust height from top by key wrench

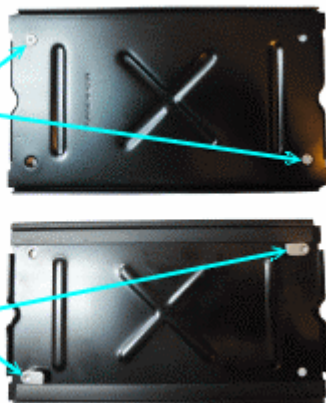
Flank Cap with clamping devise (optional) for extra fixing to UniPanel (main panel)

upper view

Clamping clips

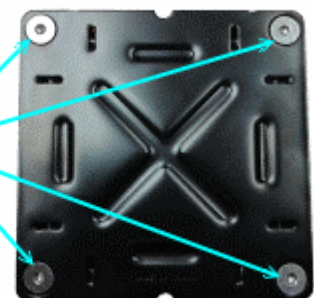
bottom view

Clamping clips



Central Cap with locking (optional)

locking at four corners



II. CamassCrete CS1000A Super Low-Profile

40 mm / 50 mm / 60 mm height

Super-Low Cable Highway ----- Can only be built by Netfloor Systems

CS1000A-40 / CS1000A-50 / CS1000A-60 series

Cable Trench Capacity by different heights

Inside width: 110 mm (4.33")

Clearance: System height minus 5 mm

System	System Height	Cable Trench width	Cable Trench clearance
CS1000A-40	40 mm (1.57")	110 mm (4.33")	35 mm (1.38")
CS1000A-50	50 mm (2.0")	110 mm (4.33")	45 mm (1.77")
CS1000A-60	60 mm (2.36")	110 mm (4.33")	55 mm (2.17")



Socket-Set-Crew fixed at top of the pedestal

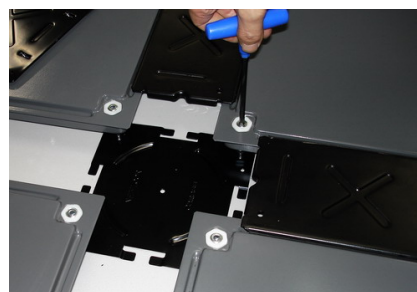
Set-Screw Locking System --- for Super Low-Profile installation

Step 1: To loose

Apply the 5 mm hex key wrench to loose the Set-Screw by counter-clockwise.



5 mm hex key wrench



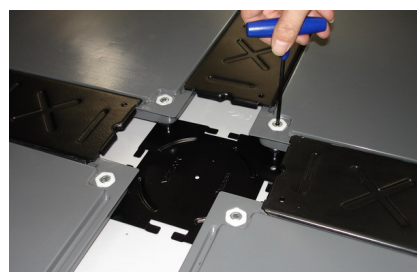
Step 1 and 3: to loose and lock Socket Set Screw from above

Step 2: To adjust height from top

Use the 4 mm hex key wrench, Stretch trough the Set-Screw, Insert at hex hole at top of the pedestal, then adjust height.



4 mm hex key wrench

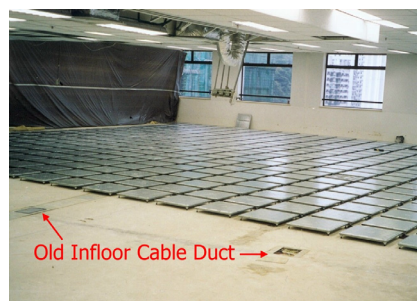


Step 2: to adjust height from top

Step 3: To fasten

After Step 2 height adjustment, apply the 5 mm hex key wrench to lock by clockwise.

CS1000A-40 to install at 40 mm high
35 mm clearance in Cable Trenches



Renovation jobs: Installing on the old, embed floor trunkings

Applications: to meet cable capacity and finish floor height requirements, both CS1000W and CS1000A systems are ideal for corporate headquarter, general office, school, library, public and private training institutes

Cable Routing and Extension

The grid-pattern cable trench system provides systematic, easy routing and extension of cables. The trench caps to cover the cable trenches shall be installed before or after routing of cables. As all UniPanels are self-standing, lifting or replacing of trench caps are safe, convenient and without resorting to special tools.

Cable Influx and routing

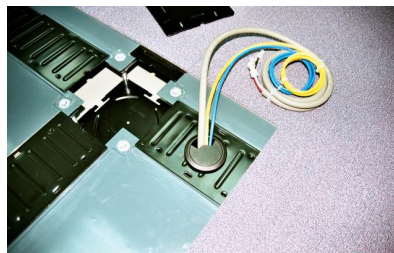
In case of extra large inflow, cable may enter through the reserved space under the UniPanel. Then, distribute through the reticulated Cable Trenches in good order.

Cable extension

Exit-cap: Cables extend through **Exit-Cap** (Flank Cap with 60 mm diameter opening) and connect at wall base, half-height or full-height partition, desk top, and etc.



Exit-Cap



Cables extending from Cable Trenches to wall base, desktop, any point of the workstation



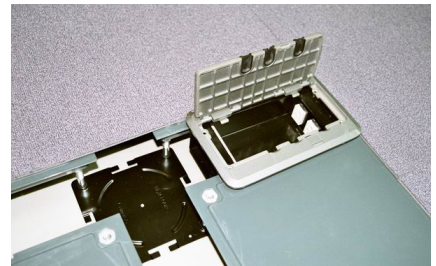
Outlet Service Box - through cable trench

SE603 steel lid / **SS603** stainless steel lid

Installing at the Cable Trenches using for 60 mm height and higher: Netfloor outlet service box **SE603/SS603**

Installed at Cable Trench by replacing one Flank Cap.

SE603/SS603 accommodates 2 power sockets and 3 data jacks.



Large outlet box:

SB75 plastic lid / **SS60** stainless steel lid

To accommodate larger size outlet box, Outlet-Panel is custom-made by cutting partial of UniPanel at required size (count in the 90 mm width at Cable Trench) to fix at all internationally recognized brand's as Britmac, Spider, AMP, and etc.



To accommodate large size floor box - Cut at side of the panel (count in the Cable Trench width) and installed at the trench.



CamassCrete installed in education institute and library. Accommodate all types international brands' floor box

Ramp and Skirting

Ramp: Steel ramp is available in heights 40, 50, 60, 76mm and 100 mm. Length of ramp is minimum 12 times to finish floor height.

Skirting: Letter F-shape aluminum skirting is available in 6 standard heights 40, 50, 60, 76 and 100 mm.

Ramp Rail: Aluminum Ramp Rail to install horizontally at adjacent line of UniPanel and Ramp.



Specifications -----

System: Netfloor CamassCrete series

1. Module Set
 - 1.1 Module size: 600 mm x 600 mm (23.62" x 23.62")
= 1 UniPanel + 1 Base Connector + 1 Central Cap + 4 Flank Caps.
 - 1.2 System height:
 - 1.2.1 CS1000A Super Low-Profile: 40 mm (1.57"), 50 mm (2.0"), 60 mm (2.36")
 - 1.2.2 CS1000W Low-Profile: 76 mm (3") ~ 150 mm (6")
 - 1.3 System weight: avg. 36 kg / per sq. meter.
2. Main Components:
 - 2.1 **UniPanel** (Main Panel)
 - 2.1.1 Size: 510 x 510 mm (20.07" x 20.07")
 - 2.1.2 Grooves: at four side of panel width 5 mm, length 410 mm, depth 8 mm from surface of panel.
 - 2.1.3 Top plate and bottom plate of Panel: steel, corrosion protection with powder coating. Panel body in-filled with light weight cement
 - 2.1.4 Pedestals: Galvanized steel, fixed at four corners. Assembled to system's required height.
 - 2.2 **Base Connector:** steel, thickness 0.6 mm, corrosion protection by powder coating or electro-deposition.
 - 2.3 **Central Cap:** steel, thickness 2.3 mm, corrosion protection by powder coating or electro-deposition.
 - 2.4 **Flank Cap:** steel, thickness 2 mm corrosion protection by powder coating or electro-deposition, ribs reinforced at surface of the cap, 8 mm bent at flange to form a u-shape, bent flanges sealed by u-shape PVC trim to eliminate noise when contacting at grooves of the UniPanel.
 - 2.5 **Flank Cap with clamping device** (optional): extra holding Flank Cap onto UniPanel (main panel).
3. Cable Trench Capacity
 - 3.1 Inside width: 110 mm (4.33")
 - 3.2 Cable Trench opening width: 90 mm (3.54")
 - 3.3 Cable Trench clearance: system height minus 5 mm
 - 3.4 Cable capacity under UniPanel (main panel): system height minus 28 mm.
4. Loading Property: UniPanel, in accordance with ASTM E-196
 - 4.1 Concentration Load: (by 1 inch diameter indenter)
300 kg < 2.0 mm depression (660 LB < 2.0 mm depression)
 - 4.2 Concentration Ultimate Load: (by 1 inch diameter indenter)
greater than 900 kg (> 1,980 LB)
 - 4.3 Uniform Ultimate Load: greater than 50 psi
5. Flammability: Non-combustible. Meet BS476, part 4, ASTM E-84 class 1.
6. Surface Floor Covering: The system is not suitable to use as bare surface. Commercial rate carpet tile, or vinyl tile of more than 4.5 mm thick are standard surface flooring on top of the system.
7. Warranty: 5 years limited warranty.

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



Vocational Education Institute, Hong Kong

CamassCrete systems are widely using
in world-wide class A office building projects

www.net-floor.biz



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