

Bottom view of self-positioning feature

Tate's ConCore® / PosiLock™ System is a user friendly system designed to facilitate frequent service distribution changes demanded by today's high office churn rates.

ConCore® / PosiLock™ System

Enhances service distribution and flexibility in office environments

System Highlights

- ConCore® is a light-weight, welded steel encased cementitious filled panel.
- Engineered pedestal head provides positive positioning and engagement between pedestal and floor panel.
- ConCore® / PosiLock™ System comfortably accommodates 2-1/2" to 24" finished floor heights for both renovation and new construction applications.

LOW COST CHANGEOVER

- Panels are quickly and easily removed.
- Power, voice, data and underfloor air distribution can be repositioned by in-house personnel.

STRONG

- There are five interchangeable design strengths to accommodate a variety of loading conditions.

QUIET

- Carpeted ConCore panels provide a sound rating within one decibel of a poured concrete slab. (refer to our *Sound Absorption Test Report* for details)

ELECTRICAL CONTINUITY

- ConCore / PosiLockSystem provides a safe electro-static path to ground when cornerlock fasteners are used.

SELF-POSITIONING

- Self-positioning feature of the PosiLock understructure makes panel reinstallment easy for in-house personnel.

LIGHT WEIGHT

- ConCore panels for general office applications weigh 25% less than exposed concrete panels.

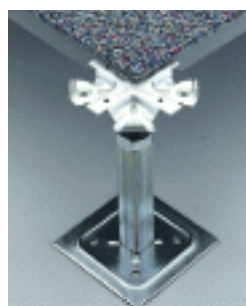


The ConCore / PosiLock System provides the interstitial space to supply power, voice, data, and HVAC to the work environment above.



Finished Floor Heights: 2-1/2" to 5"

Low Floor Height System



Finished Floor Heights: 6" to 24"

Standard Floor Height System

Tate®

ConCore 1000/1250 Panel Specifications-
For general office use

General Information

Panel Construction

- 1-3/8" deep (with no covering).
- Steel encased welded construction filled with a light weight cementitious material.
- Protected from corrosion by an epoxy paint finish to accept PosiTile® or other carpet tile applications.
- All materials are non-combustible and have a class A flame spread rating.

PosiLock Pedestal Specifications-

General Information for all floor heights

Pedestal Assembly

- Assembly from 2-1/2" to 24" shall provide a 6,000 lb. axial load capacity without permanent deformation.
- Minimum overturning moment of 1,000 in.-lbs. using Tate supplied pedestal adhesive.

Pedestal Head

- Pedestal head shall have tapped holes for engagement of cornerlock fasteners and shall incorporate alignment guides and locating points to laterally contain and positively position the floor panel with or without the use of fasteners.
- Cornerlock fastener shall be *self capturing* 1/4"-20 flat-head machine screw.

Pedestal Base

- Base plate to be at least 4" x 4" square galvanized steel.

Specific Information for floor heights from 6" to 24"

Pedestal Assembly

- Assembly shall provide a 2" total height adjustment range for finished floor heights of 6" or greater.

Pedestal Head

- Die formed galvanized steel pedestal head projection welded to a steel stud rod with adjustment nut.
- Solid steel stud shall be 3/4"-10 UNC.
- Galvanized nut shall be 3/4"-10 UNC and shall include an anti-rotation feature when engaged onto the base assembly.
- Stud shall provide an anti-rotation feature when engaged with the pedestal base assembly. (6" FFH or higher).

Pedestal Base

- Pedestal tube shall be 7/8" square galvanized projection welded to a die formed galvanized steel base plate.

Specific Information for floor heights from 2-1/2" to 5"

Pedestal Assembly

- Assembly shall provide a ± 1/2" total height adjustment range for finished floor heights of 2-1/2" to 5".

Pedestal Head

- Die formed galvanized steel pedestal head projection welded to nut with threaded core to engage 3/4" stud on base plate.

Pedestal Base

- Solid steel stud shall be 3/4"-10 UNC and projection welded to a die formed galvanized steel base plate.

ConCore® / PosiLock™ Performance Selection Chart								
SYSTEM TYPE		SYSTEM WEIGHT	STATIC LOADS			ROLLING LOADS		IMPACT LOADS
<i>Panel</i>	<i>Understructure</i>		<i>Concentrated Loads</i>	<i>Uniform Loads</i>	<i>Ultimate Loads</i>	<i>10 Passes</i>	<i>10,000 Passes</i>	
ConCore® 1000	PosiLock™	7.5 lbs./ft ² 37 kg/m ²	1000 lbs. 454 kg.	250 lbs. 11.9 kPa	3250 lbs. 1469 kg.	800 lbs. 363 kg.	600 lbs. 272 kg.	150 lbs. 67.5 kg.
ConCore® 1250	PosiLock™	8.5lbs./ft ² 41 kg/m ²	1250 lbs. 567 kg.	300 lbs. 14.3 kPa	3750 lbs. 1695 kg.	1000 lbs. 454 kg.	800 lbs. 363 kg.	150 lbs. 67.5 kg.

Note: Concentrated, ultimate, and impact load capacities are tested by imposing loads on a one square inch area. Results above indicate weakest point of panel. Permanent set will not exceed 0.010 inches after load is removed. Other strengths available-consult factory. For further information and product specifications, call the Tate Hotline @ 1-800-231-7788.

TATE ACCESS FLOORS, INC. 7510 Montevideo Road, Jessup, MD 20794

Tel: 410-799-4200 Tate Hotline: 1-800-231-7788
 Fax: 410-799-4207 Faxback™ 24 Hour Automated Service 1-800-579-TATE (8283)
 www.tateaccessfloors.com
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