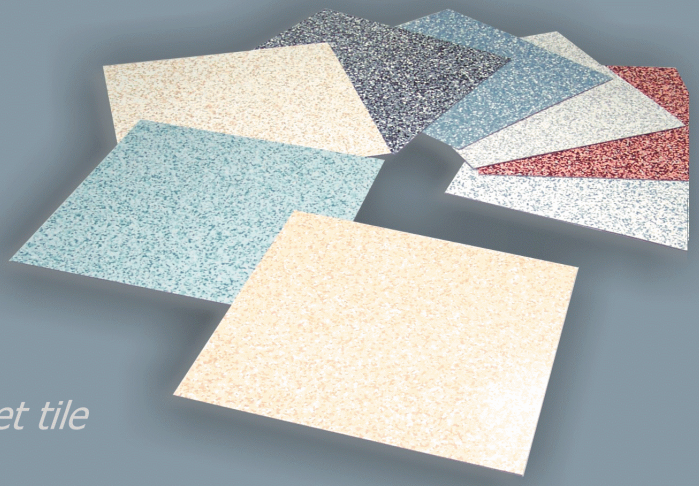
actile®

Multi-Purpose
anti-static vinyl tile



ideal solution ---
better than carpet tile

on access floor

commercial & institutional public interiors

anti-static vinyl tile

a multi-purpose resilient vinyl tile

600 mm X 600 mm X 4.5 mm

anti-static: static propensity less than 0.6 kV

durable: 1.0 mm vinyl wear layer

easy clean: high-purity vinyl surface

resilient: total thickness 4.5 mm

accommodation: loose-lay / releasable

Good for install on access floors, concrete slab and hard sub-floors.

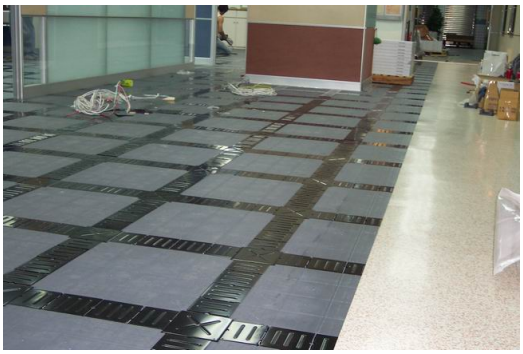
Applications ..... ideal solution better than carpet tile

Actile is developed to provide an ideal resilient flooring for the modern interiors. The 4.5 mm overall thickness enables Actile to substitute carpet tile using as surface flooring for access floors. Electrostatic propensity of the tile is less than 0.6 kV. This has eliminates the statics irritation in the sophisticated network office and institutional public interiors.

1. As surface Flooring for Access Floors

Actile has effectively covered joint seams between access panels or cable trench caps

1.1 on **Low-Profile Access Floor**



Actile to install on access floor before or after cable routing.

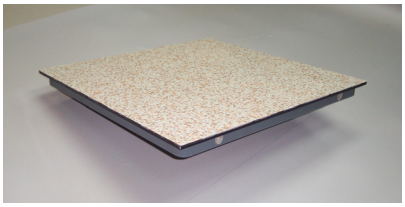
1.2 on **Corner-lock Access Floor:** same application as 1.1

1.3 for **Stringer Bolted Access Floor** (one-to-one alignment bonding at access panel)

Actile one-to-one alignment bonding at the access floor panel without trimmer.

Has contributed monolithic atmosphere, also good for color matching.

The commonly used HPL in the old computer room has been extended to use in office or school.
As a mater of fact, HPL is not durable as a surface flooring for general traffic. The factory applied one-to-one alignment bonding Actile to access floor panel contributes durable and monolithic surface to the access floor system, also good for color matching.



Factory applied one-to-one bonding at access floor panel.

2. Renovation on access floors

2.1 To replace old carpet tile on Low-Profile Access Floor (OA Floor)

When carpet tiles are dirty and/or start generating statics, Actile is correct replacement.

Easy steps:

a. Remove the old carpet tile. Clean access floor surface.
b. Brush the old access floor surface with releasable adhesive, or apply double-side tape.
c. Install Actile same procedure as for regular vinyl tile installation (please see page 6 "***Installation***").

Case A: renovation in a bank's credit card center (Actile on old OA Floor)

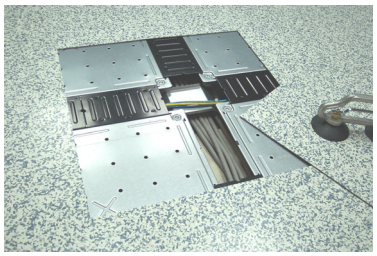
Remove old carpet tiles.
Brushing releasable adhesive.

Install Actile on access (OA) floor same procedure as PVC tile.

Actile provides anti-static, easy clean, quick renovation

2.2 Renovation on Cable Management Access Floor

2.3 Renovation on Corner-Lock Access Floor



Easy steps:

a. Remove the old carpet tile.
b. Install Actile with double-side tape 180 or 120 cm o.c.
c. Entrance, border, aisle: generally applying releasable adhesive or 60 cm o.c. double-side tapes under tile joints.

2.4 Renovation on HPL Access Floor

Case B: renovation in a multi-nation bank in H.K.

Access Floor: wood core HPL access floor panel installed a few years ago. But the HPL surface getting scratched shortly after installation. And few trimmers started loosing.

First time renovation: carpet tiles were installed over all HPL panel. Again, carpet tiles got dirty quickly in few years. Other problem was statics started bothering the employee.

Renovation this time: Now, Actile is the solution. The management decided to remove carpet tile, and install Actile on the HPL access floor.

a. Renovation at aisle: Install Actile, double-side tape60 cm o.c. under Actile's joints.
b. Renovation in office: Install Actile, double-side tape 180 ~ 120 cm o.c. under Actile.

3. On concrete slab, hard surface sub-floors

Again, in areas without access floor, statics is an increasing problem. Easy clean and noise reduction are always concerned. The commonly used commercial rate carpet tiles, broadloom carpet, vinyl floors, are not totally meeting the requirements any more.

Here are comparisons:

Requirement	Actile	Carpet tile	Vinyl floors (2.0 mm)
Static Propensity	< 0.6 kV	< 3.5 kV	< 3.5 kV
Resilience	good	good	fair
Easy clean	good	fair ~ poor	good
Durable	good	fair	good
Resist Chemical Substance	good	poor	good
Comfort during walking	good	excellent	fair

3.1 Institutional public

school
library, museum
hospital, clinic
recreation

3.2 Commercial

general office
bank
showroom
shopping mall. Store

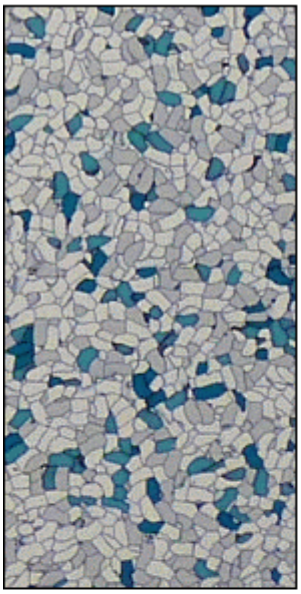
3.3 Factory office / R&D

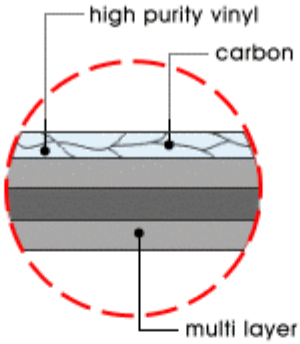
As results of increasingly using of sophisticated machineries and computerized facilities, factory office and R&D center requires higher quality flooring particularly in static control and resistance to chemical substances.

Upgrading in a factory office: Actile installed on old vinyl composition tile.

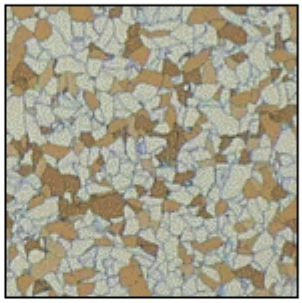
Features

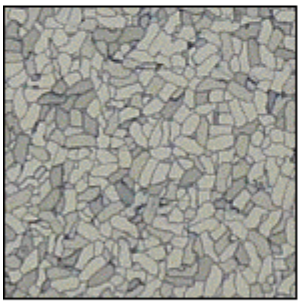
Anti-static: electrostatic propensity: less than 0.6 kV.
static resistivity: 10^6 ~ 10^9 ohm.
Durable: 1 mm thick pure PVC wear layer.
Loose-Lay: Total thickness 4.5 mm, good surface flooring to access floor, as well as poor condition sub-floors.
Colors: Vivid granite pattern, 8 standard colors.


AT652 Neptune

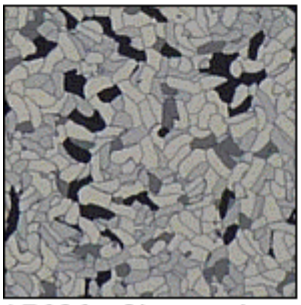



AT638 Jade


AT662 Harvest


AT633 Warm Grey


AT632 Light Grey


AT636 Charcoal

- Better static control then carpet tile
- Cleaner then carpet tile
- Durable then lamination

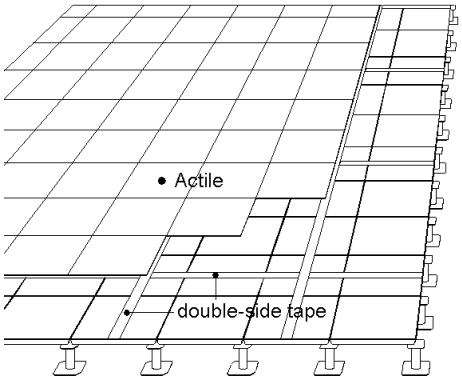
Installation

Tools: Same tools as for commercial rate PVC tile or PVC sheet vinyl installation.
Adhesives: acrylic water-base releasable adhesive and/or double-side tape (> 2" width).

1. **On concrete slab or hard-surface floors**
   1-a Site plan and installation same as PVC tile installation.
   1-b Adhesives: releasable adhesive is recommended. At entrance and heavy traffic area, apply adhesives throughout the sub-floors. Installation on PVC tiles, wood, ceramic, marble, and etc., if requested not using adhesive, double-side tape installed 60~120 cm o.c. under joint seams of Actiles.

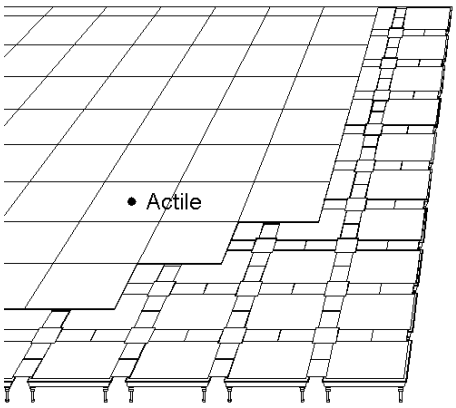
2. **On Access Floor**
   Laying the tile: Actile shall be installed to avoid its joint seam in line with joint seam of access floor panel. This means Actile's center shall be strategically positioning on top of angles of the floor panels.

   2-a on inter-lock access floor 2 inches width (or wider) double-side tape attaching along mid of panels, at 2 or 3 floor panels (120 or 180 cm o.c.) per strip both ways. (see drawing at right)



on inter-lock bare access floor

   2-b on Low-Profile access floor with cable trenches
   Releasable adhesives to brush at center of the access floor panel (about 10 cm width strip), or double-side tape (> 2 inch width) attaching at floor pane's' central line at distance every 2 to 3 panels per strip. Center of Actile are strategically positioning at junction cap (central cap) of cable trench. And seams between Actiles are adhered at adhesive strip along center of the access floor panel. (see drawing at right)



on access floor with cable trenches

   Perimeters: Along the perimeters, applied releasable adhesive or double-side tape to secure bonding of Actile at all perimeters. (see picture at lower right)

3. **For renovation**
   3-a on concrete or hard sub-floorings:
   Old carpet tile: Shall be removed.
   Old PVC tile, hard floors: shall be securely bonding to the concrete slab or sub-floors. (see **1**)
   3-b on HPL access floor
   Scratched, or worn-out HPL, shall be securely bonding at the access floor panel. Loosing trimming strip shall be bonded. Installation methods same procedure as **2-a**.
   3-c on interlock access floor
   Remove old carpet tile. Installation same as **2-a**.
   3-d on low-profile access floor with cable trenches
   Remove old carpet tile or other old floors. Installation same as **2-b**.


retrofitting on old HPL access floor, using double-side tape.

Specifications

Type of Flooring: anti-static vinyl floor tile

Dimension: 600 mm X 600 mm X 4.5 mm
(special run for 24" x 24")

Total thickness:	4.5 mm
Anti-static vinyl wear layer:	1.0 mm
Multi-layer vinyl backing:	3.0 mm

Total weight per sq. meter: 8.0 kg

Tests:

Surface resistivity:	$10^6 \sim 10^9$ ohms	(ASTM D257)
Electrostatic propensity:	less than 0.6 kV	(AATCC 134-01)
Fire index:	Class 1	(NFPA 253 / ASTM E-648)
Dimension stability:	< 0.15%	(Aachen Dimensional Stability Evaluation)
Taber wear test:	less than 0.007 mm loss	(500 cycles - ASTM D4060)
Chemical resistance:	no change	(24 hours ratings ASTM F925-02)
Static Load:	< 2.0% compression	(ASTM F970-00 static load limit 125 LB)
Color fastness to light:	no change - rating 5	(AATCC 16-03 color fastness to light)

Color: 8 standard colors
Special run color: minimum 500 sq. meters
Packing: 8 pieces per box

Color variation: Colors may vary due to different production lot.

Maintenance:

- To maintain anti-static property, do not apply oil-base wax.
- Sand and alien materials should be removed. They may cause damage.
  Keeping floor clean is necessary in order to maintain steady anti-static property.
- Clean contaminated floor surface by mild detergent, the detergent should be removed by wiping with wet mop. Rinse at least twice with clean water.
- Waxing: use water-base emulsion wax. Waxing after floor clean and dry.

Quality Assurance
Warranty: limited 5 years warranty.

Product improvement: In order to pursue product improvement, the manufacturer reserves the right to change specifications without prior notice.

Patent
China: Utility Model No. 200320124457.0
Taiwan: Invention Patent No. M247627
world-wide patent pending

www.net-floor.com

a product division of ***Netfloor, Inc.***

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