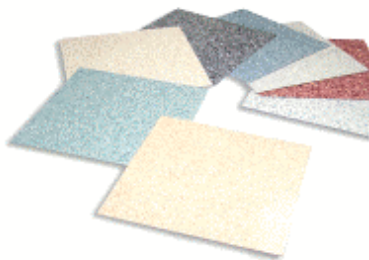


 **actile**



resilient tiles for all access floor system
-- ideal solution better than carpet tile--



commercial & institutional public interiors

on access floor



resilient tiles for all access floor systems

Actile is a unique commercial grade vinyl tile system which designing and developing specially for using as top-finish flooring on all types of access floor systems. The concurrent floor covering selection using on access floor systems are rather limited, mostly carpet tiles, or HPL. As a matter of fact, neither carpet tile nor HPL is ideal for access floor. Actile provides combined advantages of carpet tile and HPL, but without disadvantages of the two.

Resilient / noise reduction: Total thickness 5 mm. Actile has walking comfort like carpet tile. And there is no noise generated like PHL while walking.

Safety: anti-slip, no slip-prone like HPL or stoneware tiles

Low maintenance costs: easy clean, less maintenance cost than carpet tiles

Durability: High durability, much more durable than HPL.

Fully accessible: Actile has sufficient self-weight. Same as carpet tile, Actiles can be loose-laid and light-traffic areas, and bonded by releasable adhesives at heavy-traffic areas like aisle, entrance, lobby...

ACTILE AT series
(grain)



ACTILE MT series
(parquet)



AT series installed in a multi-nation company head office, on top of access floor

Applications ideal solution better than carpet tiles

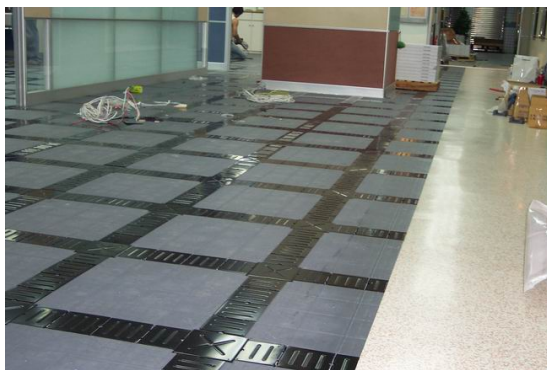
Since so many years, access floors are not only using in data centers or manufacturing facilities. Access floor systems are currently widely using in offices, schools, hospitals, factories, call centers, institutional interiors, casinos, etc. In addition, there is emerging demand of using low-profile access floors in retail stores, shopping malls, showrooms.....

1. for newly installed Access Flooring

For all type of newly installed access flooring, Actile is a practical substitute to carpet tiles:

1.1 on low-profile access floors with cable trenches

There are increasing using of low-profile access floor systems in offices and schools. Chain store designers and managers also find the benefits to use low-profile access floor in its show rooms and service centers. Actile meets the requirements because of durable, resilient, easy clean, and fully accessible. Total thickness of Actile is 5 mm, which has effectively covered recess ribs at top of the cable trench caps.



Actile to install on low-profile access floor (with cable trenches) after cable routing

1.2 on traditional access floors:

Traditional access floor of height greater than 150 mm (6.0"), or access floors facilitated with UFAD, are not necessarily limited to use of carpet tiles or HPL any more. Actile are installed at loose-laid, or by applying releasable adhesives, or by add of 1 inch wide double-side tapes. To remove Actiles, use single suction lifter to lift first piece Actile and remove. After that, rest of tiles can be easily removed by hands without using of lifter.



2. Renovation at old access floors

2.1 To replace old carpet tiles on low-profile access floors with cable trenches

Main Actile's feature is it's an economic and replacement to old dirty carpe tiles.

Easy steps: a. Remove old carpet tiles. Clear access floor surface.

b. Brush old access floor surface with releasable adhesive, or apply double-side tape at required space.

c. Install Actile same procedure as for regular vinyl tile installation. (please see page 7 "installation")

Case A: quick renovation in a bank's credit card center



remove old carpet tiles
brushing releasable adhesive



install Actile on existing
access floor



Actile provides anti-static,
easy clean, quick renovation



2.2 replace old carpet tiles on traditional access floors

a. remove old carpet tiles and clear access floor surface.

b. install Actile with double-side tape or releasable adhesives

c. entrance, border, aisle: applying releasable adhesives generally or double-side tapes 600 mm o.c.

2.3 Renovation on old HPL top-finished 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 a few trimmers started loosing.

First time renovation: carpet tiles were installed over all HPL panels. But, 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 tiles, and install **Actile** directly on the HPL access floor.



a. Renovation carpet tile at aisle:
Install Actile, double-side tape
600 mm o.c. (fully applied
releasable adhesives also
recommended)

b. Renovation carpet tile at aisle:
Install Actile, double-side tape
600 mm o.c. (fully applied
releasable adhesives also
recommended)

2.4 Why Actile is better solution than carpet tile, HPL?

--- when using as top-finish onto access floor ---

Requirements of access floors' top-finish are more critical than using on regular slabs or sub-floors without access floors. Accessibility and resilience are basic requirements. As a result, there were only a few selection, and are using carpet tiles or HPL mostly. Below are comparison among Actile (AT series and MT series), carpet tile, and HPL:

Requirements	AT series	MT series	carpet tile	HPL
Bonding	at site	at site	at site	at factory
Static Propensity	< 0.6 kv	< 2.0 kv**	< 3.0 kv	<2.0 kv
Resilience	good	good	good	poor
Easy clean	good	good	fair	good
Durable	good	good	fair	poor
Resist chemical substance	good	good	poor	good
Walking comfort	good	good	excellent	poor
Accessibility	accessible	accessible	accessible	accessible
(** anti-static wax is applicable to apply on MT series to achieve <2.0 kv)				

3. Applications

AT series: suitable for all areas except where requiring static-conductive

MT series: suitable for all areas. When using at areas requiring static propensity, anti-static wax shall be applied

3.1 institutional public

school
library, museum
hospital, clinic
stations



3.2 commercial

general office
bank
showroom
shopping mall / store

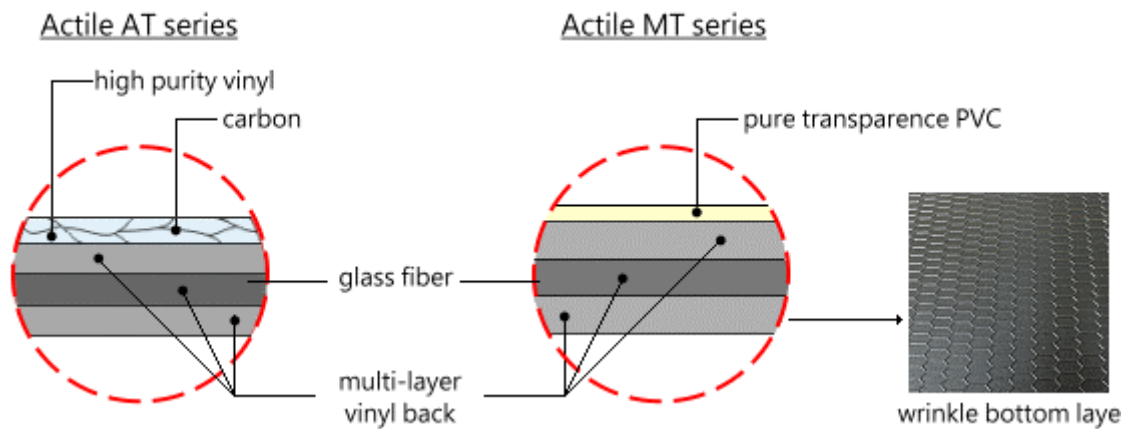


3.3 factories: factory office, R&D, and manufacturing



Structure

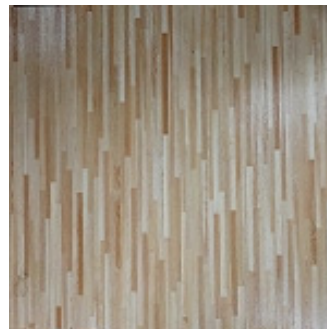
Rigid multiple-layer composition: total 5.0 mm thick, heavy-weight at 3.30 kg each tile. The weight of single tile enables the tile system competent for loose-lay installation.
Excellent dimensional stability: inside the multi-layer back, reinforced by glass fiber.



standard colors (full size image) ---



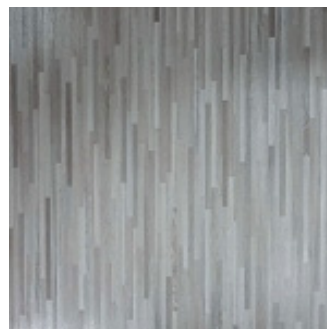
AT632
Light Grey



MT7134 Oak



AT636
Contrast Grey

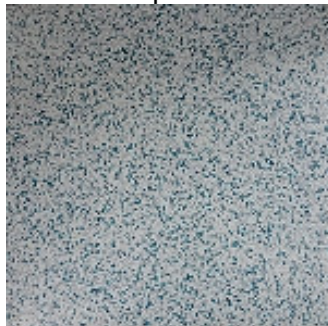


MT7141 Brich

AT662 Harvest



AT652 Neptune



MT7142 Walnut

** Above are standard colors. special colors, and special size 24" X 24" available at minimum quantity 500 sq. meter (5,380 sq. feet) per color. MT7142 Walnut

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 regular PVC tile installation.

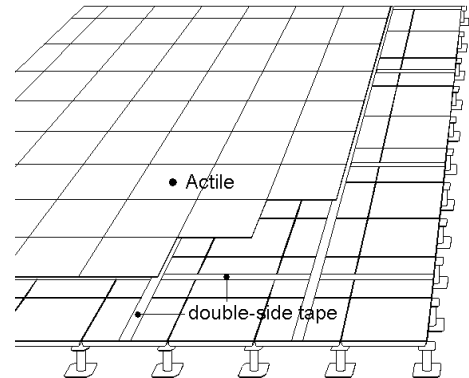
1-b: Adhesives: releasable adhesive is recommended. At entrance and heavy traffic area, apply adhesives throughout the sub-floors. Installation on pvc tiles, wood, ceramic, marble, and etc., if requested not using adhesive, double-side tape installed 60~120 cm o.c.

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.

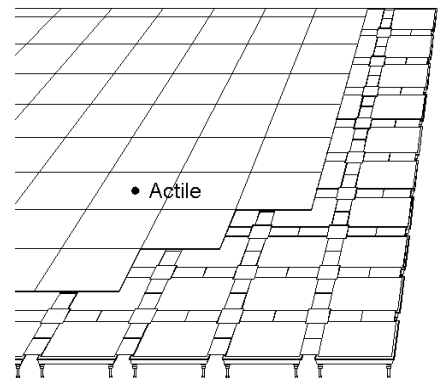
2-a: on inter-lock access floor

2 inch 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)



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)

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: commercial grade vinyl floor tile
Actile AT series and Actile MT series



Dimension: 600 mm x 600 mm x 5.0 mm (size 24" x 24" by special run)

	AT series	MT series
Total thickness	5.0 mm	5.0 mm
Anti-static vinyl wear layer	1.0 mm	-----
Transparency pure PVC wear layer	-----	0.5 mm
Multi-layer vinyl backing	4.0 mm	4.5 mm
Glass fiber reinforcement back	yes	yes
Total weight per sq. meter	9.2 kg	9.2 kg

Performances:	AT series	MT series	Method
Electrostatic propensity	less than 0.6 kv	less than 2.0 kv (apply anti-static wax)	AATCC 134-01
Fire resistance index	class 1	class 1	NFPA 253 / ASTM E-648
Dimension stability	< 0.15%	< 0.07%	ASTM F2199
Anti-slip (coefficient of friction)	-----	< 0.99 (dry) < 0.78 (wet)	ASTM D2074
Taber wear test < 0.007 mm loss	500 cycles	12,500 cycle	ASTM D4060
Chemical resistance	no change	no change	24 hours ratings ASTM F925-02
Static Load	< 2.0% compression	<1.5% compression	ASTM F970-00
Color fastness to light	no change - rating 5	slight change - rating 4	AATCC 16-03
Standard colors	4	3	-----
Special run color	minimum 500 sq. meters (5,380 sq. feet)		-----
Packing	8 pieces per box		-----
Color variation	Colors may vary due to different production lot		-----

Maintenance:

- AT series: to maintain anti-static property, do not apply oil-base wax.
- MT series: anti-static wax shall be applied at areas where electrostatic propensity <2.0 kv is required.
- Sand and alien materials should be removed. They may cause damage.
Keeping floor clean is necessary in order to maintain steady anti-static property.
- General clean by damp mop only. In case of badly contaminated spots, apply diluted mild detergent only at the contaminated spots, and brush. The contaminated spots can be cleaned easily. The detergent should be removed by damped mop at least twice.
- Waxing: AT series: use water-base emulsion wax only. Waxing after floor clean and dry.
MT series: use anti-static wax. Wax after floor clean and dry.

Quality Assurance

Warranty: 2 years limited warranty.

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

www.net-floor.com



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