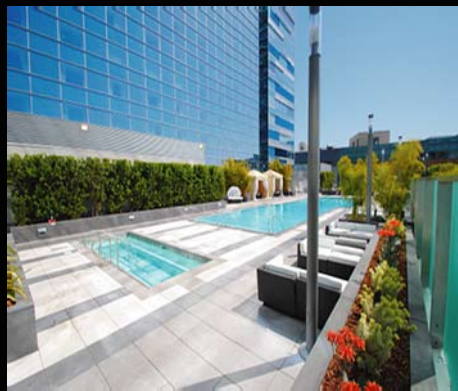


# Tile Tech Pavers®

*Paving America one step at a time.*



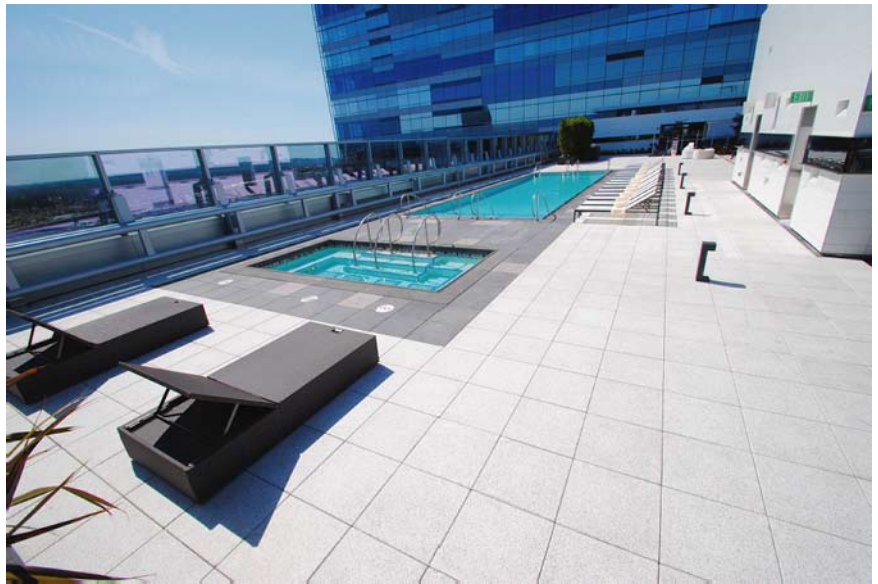
MANUFACTURER OF PEDESTAL PAVER SYSTEM



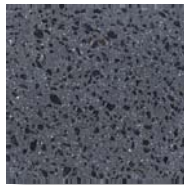
## 2 Pedestal System - Application

The concept of using concrete pavers as roof ballast, plaza deck and terrace pavers has created new opportunities for otherwise lost space. Roofs and decks can now be functional, as well as attractive. Tile Tech Pavers provide durability, protection and performance for the roof system from harsh weather conditions while providing drainage and a level walking surface.

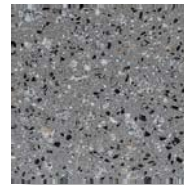
Tile Tech Pavers offers a solution for all roofing & waterproofing needs from standard Walkway and Roof Ballast, to Architectural Plazas and Green Roofs. Functional design, color and durability all come together with Tile Tech roof and plaza pavers.



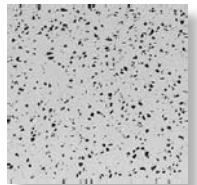
Above & Left Photos: LA Live Ritz Carlton / JW Marriott; Architect: Gensler; Finish: GraniteTech; Size & Color: 20" x 20" Charcoal, Gray Black & White Black; Application: Roof Deck - Pedestal Set



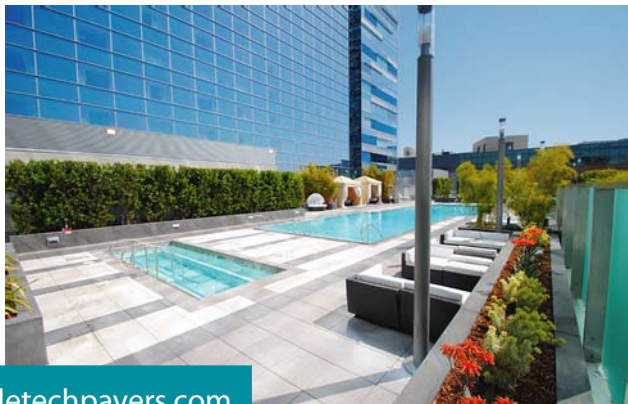
Charcoal



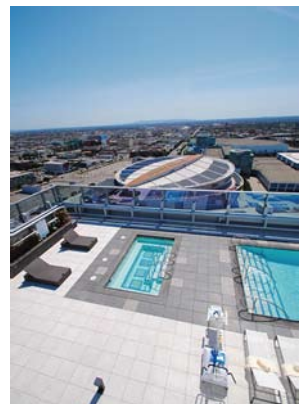
Gray Black



White Black



Tile Tech Pavers are available in both a standard color range and custom aggregate blends (see full catalog). Striping, banding and paving patterns are just a few of the design capabilities made possible by mixing various paver colors, sizes and finishes. Whether your project is a roof, deck, plaza or terrace, Tile Tech Roof Pavers are attractive, functional and serviceable.

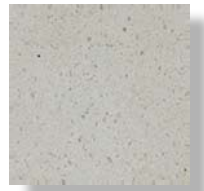






The application of an elevated paver system provides the designer with new possibilities and advantages. Tile Tech Pedestal Paver System elevates, levels and uniformly spaces pavers thus allowing water to be channeled away from the surface. Roof and Plaza Pavers allow easy access to the roof and waterproofing system for making repairs or standard maintenance procedures.

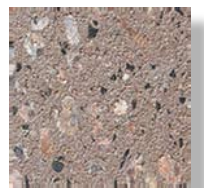
The popularity of energy-efficient Green Roofs is increasing as its value is appreciated. Tile Tech Pavers has developed a series of cool pavers that provide reflectance and emittance values providing great performance to the Green Roof concept thus keeping the building cooler and more energy efficient



Penny Lane:  
 Reflectance = 73%  
 Emittance = .95  
 SRI = 91



Above & Left Photos: 705 Figueroa; Architect: Gensler  
 Finish: GraniteTech; Size & Color: 12" x 24" Penny Lane; Application: Roof Deck - Pedestal Set



Hydro Brown



Pedestal System

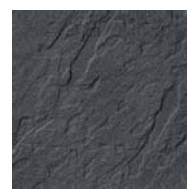
Above & Left Photos: Optima Biltmore Towers, Phoenix - AZ;  
 Architect: Davis Hovey & Associates; Finish: GraniteTech;  
 Size & Color: 20" x 20" Hydro Brown; Application: Roof Deck - Pedestal Set



## 4 Pedestal System - Application

The conventional method of setting precast concrete, stone or other type paving slabs into a sand, gravel or mortar bed has had a deleterious effect on many types of promenade and other deck systems. The entry of surface water into these systems causes pavers to heave due to freeze-thaw cycling, wash-out, break-up, and eventual deterioration of the waterproofing membrane over occupied areas below. The high cost of replacement, leveling and aligning the pavers as well as repairs to the waterproofing, is an ongoing maintenance problem.

Tile Tech pedestal system elevates, levels and uniformly spaces paver stones and protects the substrates in such waterproofed installations as roof decks and promenades, terraces, balconies, patios, podiums, plazas, arenas and roof gardens. It is also ideal for roof garden walkways, for use as support pedestals or sleepers for catwalks, mechanical access walkways, balcony-deck structures and roof-mounted duct pipes. They also allow easy access to the roof and waterproofing system for making repairs or standard maintenance procedures.



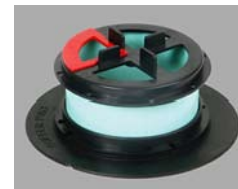
Slate - Black



Slate - Tan



Slate - Natural



Top Right & Above Photos: Solairs, Los Angeles, CA; Architect: ArchEON Group; Finish: StampTech; Size & Color: 20" x 20" x 2" Slate Black, Natural & Tan; Application: Roof Deck - Pedestal Set



Left & Top Photos: Wit Hotel, Chicago - IL  
Architect: Koo & Associates  
Finish: StampTech Size & Color: 16" x 16" Slate Black  
Application: Roof Deck - Pedestal Set





Tile Tech pedestal system elevates, levels and uniformly spaces paver stones and protects the substrates in such waterproofed installations as roof decks and promenades, terraces, balconies, patios, podiums, plazas, arenas and roof gardens. It is also ideal for roof garden walkways, for use as support pedestals or sleepers for catwalks, mechanical access walkways, balcony-deck structures and roof-mounted duct pipes. They also allow easy access to the roof and waterproofing system for making repairs or standard maintenance procedures.

- Better insulation and lower energy costs.
- Less noise transmission.
- Effective storm water management.
- Easy access for maintenance.
- Superior protection of roof membranes.
- Reclaiming of lost space.



- Elevates
- Levels
- Uniformly Spaces
- Provides Drainage



Top Left & Above Photos: UC Irvine -Medical Education Bldg, Irvine - CA; Architect: Davis Hovey & Associates;  
Finish: GraniteTech; Size & Color: 20" x 20" Charcoal Brick; Application: Plaza Deck - Pedestal Set



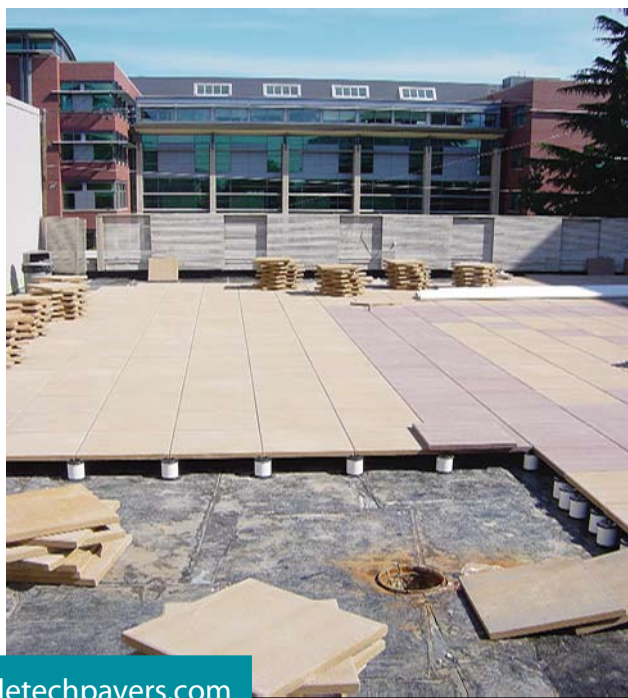
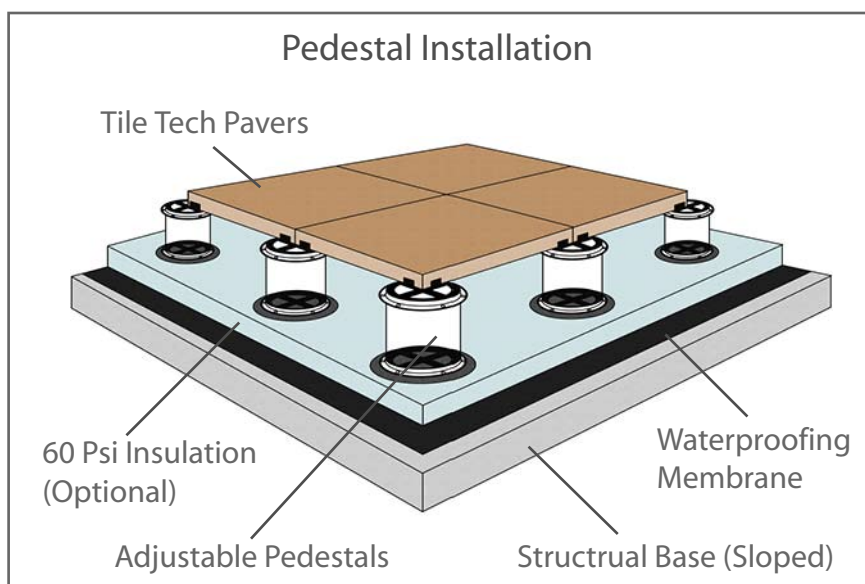
Above & Left Photos: Park La Brea Apartments, Los Angeles - CA; Architect: Caudet Design Group;  
Finish: GraniteTech; Size & Color: 20" x 20" Mocha Gold; Application: Pool Deck - Pedestal Set





The Tile Tech Pedestal System is designed for concrete pavers to lay level over a built up roof. The substrate can be either concrete or wood structure, with a roof membrane over the top. The pedestal system consists of 7 standard pieces and (user supplied) recommended Schedule 3034- 4.215" diameter PVC pipe.

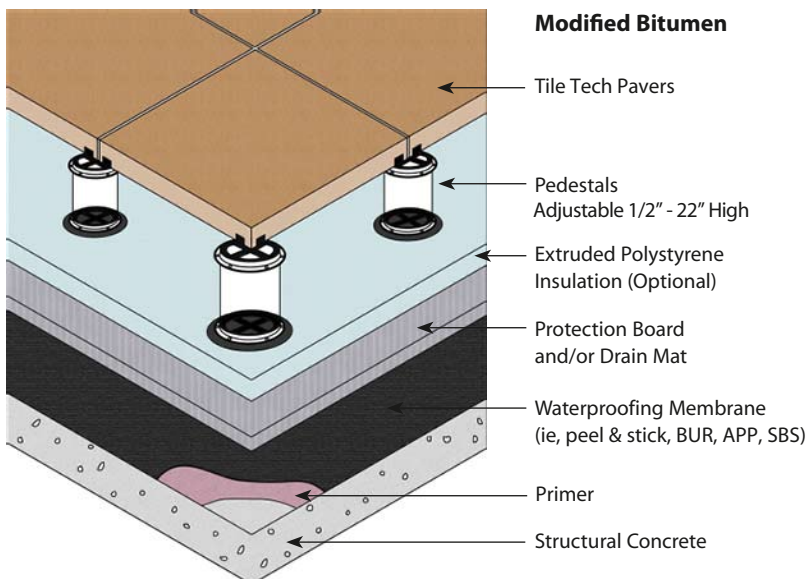
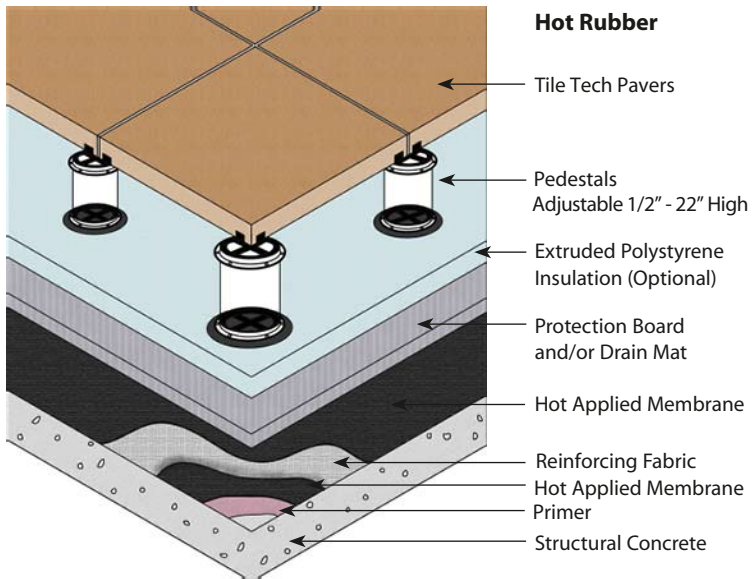
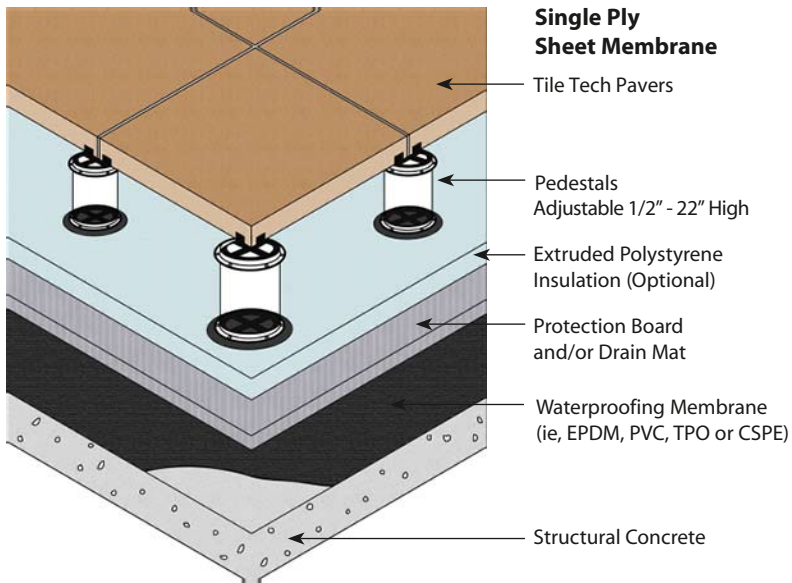
The PVC pipe allows the pedestal system to vary in heights up to **20+ inches**. The standard 1/8" spacer on the top cap allows for an open joint and proper alignment of the pavers. The top cap can be used by itself in areas where the required height is less than one inch. The top cap is 1/2" in height, if required a 1/16" or 1/8" bottom shim locks into the bottom of the top cap. In applications where 1" in height is required, the top and bottom cap can be used with PVC and 1/8" and 1/16" bottom shims.



The "press fit" connection of the top and bottom cap to the PVC pipe requires no gluing or other attachments. Both the wedge top shims and round bottom shims can be used for "fine tuning" proper height if required. All top shims and bottom shims lock into place, and all six pieces (if used) interlock, allowing no paver movement and a level surface. The round bottom shims have a unique "V" groove, which allows them to be scored & broken in half with a utility knife and stacked on the bottom for those areas that are sloped more than 2%. They lock to each other and to the bottom cap to impede movement of the pedestal. The subsequent weight of the paver will keep the system in place. The caps can be easily removed during installation if desired.

A typical installation would start off with a threshold of a door, or control point provided by the architect. The first height of the pedestal is then determined. PVC pipe is cut with a standard 12" shop saw with fine tooth blade to the required height, less 1/4" for top and bottom cap insets. (Example: a 2" high pedestal needs to have a piece of PVC cut to 1-3/4").





# Pedestal System Components

Top Shims:  
1/8" & 1/16" Thick



Top Cap:  
1/2" High  
1/8" Joint Spacer



4" Diameter PVC Pipe:  
Cut to varying heights



Bottom Cap:



Bottom Shim:  
1/8" & 1/16" thick



Buffer Pads:  
1/8" Thick



Joist Plate:  
1/8" Thick



For proper heights lower than 1/2" the pedestal standard cross 1" long 1/2" high and 1/8" thick can be used with the pedestal standard 4"x 4" square shim, both in 1/16" and 1/8" thickness (though we recommend that if construction permits, it is always preferable to have at least a 1" gap under pavers to allow for airflow and water movement).

The 4" PVC used in the pedestal system is 3034. It is an off-the-shelf product, standard in North America with the outside dimension of 4.215" which matches the inside diameter of the pedestal top and bottom cap.

The (3034) PVC 4.210" OD 5" up to 27" compression tested 11,000 to 13,000 psi (NOTE: all testing done with both top and bottom pedestal caps in place.)

## Physical Properties

Material: ABS Plastic (Acrylnitril-Butadien-Styrol)

Tensile Strength	>6,300 psi	ASTM D-638
Flexural Modulus	350,000 psi	ASTM D-790
Flexural Strength	10,500 psi	ASTM D-790
Softening Point	226 deg F	ASTM D-1525

*For complete material & installation specifications, please visit our website or contact us.*



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