TURNSTILES.us
SECURING THE U.S. and the GLOBE since 1989

Concrete Alternative Modular Pavers

Data Sheet

This interlocking pavement system – made of 100% recycled plastic – provides an excellent alternative to pouring a concrete pad and sidewalk leading up to your turnstile installation.

- Modular, interlocking pavement system
- Made of 100% recycled plastic
- Each paver measures 2′ x 2.5′ x 1.75″
- Interconnected with 1.5″ tabs on all sides
- They are a neutral grey-beige concrete color
- Pavers have a nonslip, sound-reducing surface
- Resistant to chemicals, UV, impact, and freeze/thaw damage
- Channeled underside for water drainage
- Designed for permanent and temporary use in any climate
- Made in the USA

Description

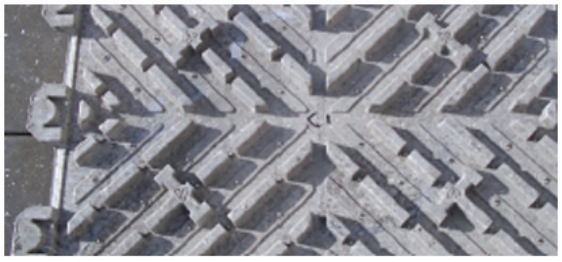
Concrete Alternative Modular Pavers are manufactured of 100% recycled plastic and molded under compression. They are interconnected with tabs on all sides and can be opened by professional contractors for tree root maintenance, utility access, seismic adjustment, relocation, etc.

Pavers are a grey-beige color and have a nonslip, sound-reducing surface. They are highly resistant to salt/chloride, magnesium chloride, UV light, impact, and freeze/thaw damage. Maintenance options include sweeping, hose-down, mopping, or steam cleaning. These precast concrete pavers have certification in areas of recycled content, stormwater drainage, heat island effect, innovative design, and regional materials.

Features and Benefits

Lightweight and Extremely Durable

- Looks like concrete but 1/8th the weight!
- Unbreakable and continually reusable
- Performs in all climates
- Can support heavy vehicular loads (more than 40,000 pounds)
- Proof load tested: Supports vehicles at more than 100,000 pounds of proof load. Pavers did not crack, break, splinter, warp, or permanently deform during or after load testing.



Comfortable and ADA-Compliant Surface

- Firm, stable, vibration-free, and slip-resistant walking surface
- ADA-compliant with seams not exceeding ½ inch
- Flat surfaces are suitable for turnstile installations
- One size of paver arranges and cuts into the pattern you need
- Higher coefficient of friction (anti-skid) than concrete or matting
- Maintainable, cleanable, stain-resistant

TURNSTILES.us
SECURING THE U.S. and the GLOBE since 1989

Concrete Alternative Modular Pavers

Data Sheet

For Permanent Installations OR Temporary Applications

- Fast, clean, easy, and secure installation lowers labor costs
- Easily delivered to hard-to-reach locations
- Requires no tools or equipment
- Safer and more secure than plywood, or rolled matting
- Channeled underside protects grass and vegetation
- Provides stable pavement in soft dirt and sand
- Elevated above mud and pools of water, unlike rolled goods
- Provides portable, removable site paving for temporary use applications
- Provides firm and stable pavement for pedestrians, equipment, and vehicles

Superior Choice for Stormwater Drainage

- Unimpeded stormwater flow
- Improved water quality and groundwater recharge
- No surface or joint cleaning required
- An infiltration rate of 420 cu in/hr (ASTM C 1701) means these pavers receive more water flow than other pervious systems, and exceeds typical rain fall quantities even in the wettest climates.
- Built-in reservoirs store 2.3 gallons of water per paver so water will slowly percolate through the base layer into native soil below. Due to saturation, or slow absorption of native soils, flow without storage results in run off—even if pavement has infiltration. They hold overflow and prevent storm water run off.
- Sediment and silt is filtered by non woven pervious geotextile, and permeable aggregate base, which recharges local groundwater.
- Unlike PICPs and pervious concrete which require periodic cleaning and vacuuming, Seams are open and smooth, allowing debris and sediment to flow through or naturally wash out.

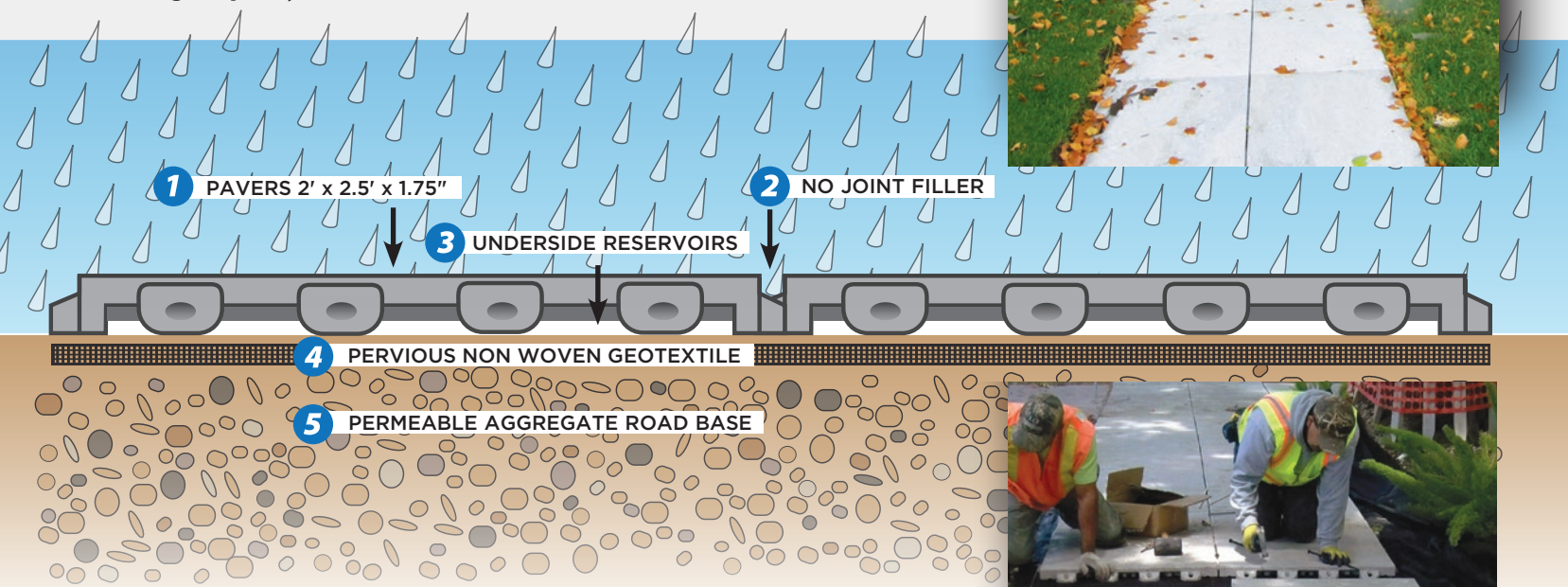
100% Resistant to Freeze-Thaw Cycle

- Designed for sub-zero temperatures and freeze-thaw with no damage
- Unaffected by freeze-thaw cycles, snowplowing, or shoveling
- Never deteriorates, spalls, or has aggregate that pits
- Never breaks or needs to be replaced
- Not damaged by de-icing chemicals or most other chemicals
- Made of recycled plastics (polymers) which are resilient enough to tolerate frozen soil pressure (just as they provide a more comfortable and safer walking experience).
- Interlocking design allows for upward movement from frozen soil, and resettlement during thaw (ASTM C936 is used by the Interlocking Concrete Pavement Institute to assess durability in freezing climates).
- Pavers are pervious through the joints (for maximum storm water management year round) but not pervious through the surface, and therefore do not absorb water like concrete does.
- Their patented design has underside channels which allow space for water, ice, and tree roots. As ice melts, these "reservoirs" keep water from overflowing, or collecting on the surface and re-freezing. This also reduces the risk of a trip-and-fall.
- These specialized pavers have higher R-value (degree of insulation) than concrete so water has more time to infiltrate the soil before freezing.
- Proven track record of success. Installations exist in many cities with harsh winter conditions

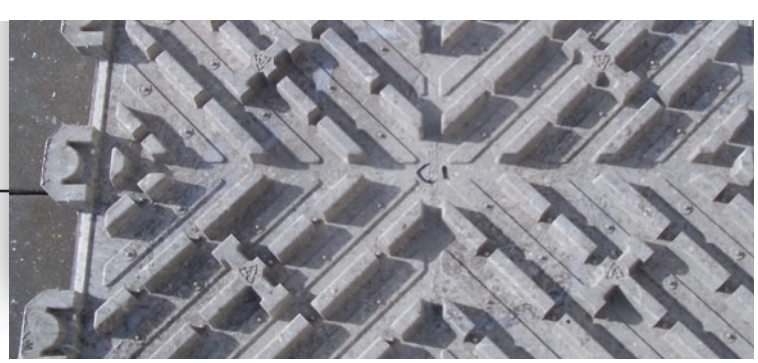
TURNSTILES.us
SECURING THE U.S. and the GLOBE since 1989

Concrete Alternative Modular Pavers

- **Modular, interlocking paving system made of 100% recycled plastic**
- **High capacity storm water flow and filtration**



1. Directs stormwater to the joints and flows at a rate of 420 cu in/hr.
2. Interlocking tabs with no joint filler so that water is free to flow between units instead of through material. Unlike PICPs no edge restraints needed.
3. Underside channels serve as reservoirs which hold 2.3 gallons/.75in of storm water per paver. Prevents overflow and run-off.
4. Non woven pervious geotextile fabric enhances water quality through filtration, while providing structural stability.
5. Permeable aggregate road base – less volume required than for PICPs – further filters and percolates storm water.



Conforms to all storm water management techniques and protocols

www.TURNSTILES.us | patrick.mcallister@TURNSTILES.us | 303-670-1099

SPECIFICATIONS

- Installed cost less than PICPs on *day one*
- Unimpeded stormwater flow
- Improved water quality and groundwater recharge
- No surface or joint cleaning
- ADA compliance
- Ease of handling and installation
- Not susceptible to the effects of freeze thaw cycles

Our patented paving system is the superior choice for:

INFILTRATION
An infiltration rate of 420 cu in/hr (ASTM C 1701) means TERREWALKS® receives more water flow than other pervious systems, and exceeds typical rain fall quantities even in the wettest climates.

WATER STORAGE
Built-in reservoirs store 2.3 gallons of water per paver so water will slowly percolate through the base layer into native soil below. Due to saturation, or slow absorption of native soils, flow without storage results in run off—even if pavement has infiltration. They hold overflow and prevent storm water run off.

FILTERING
Sediment and silt is filtered by non woven pervious geotextile, and permeable aggregate base, which recharges local groundwater.

NON CLOGGING
Unlike PICPs and pervious concrete which require periodic cleaning and vacuuming, seams are open and smooth, allowing debris and sediment to flow through or naturally wash out.

ADA
Comply with ADA design guidelines by providing a firm, stable and slip resistant walking surface, with seams not exceeding ½ inch.

Dimensions: 24″ x 30″
(or 2′ x 2 ½′) / 5 sq. ft.

Thickness: 1.75″

Weight: approx. 25 lbs.

ASTM C1701 Infiltration: 420 cu in/hr.

Percentage Open Space: 20%

Run-off Coefficient: 0

Percentage void base: 75%.

Percentage void
entire paver: 43%

Concrete Alternative Modular Pavers

Installations

Galveston, Texas

University of Santa Cruz, California

Metropolitan Nashville Public Schools, Nashville, Tennessee

Braddock Park, North Bergen, New Jersey

Fallen Warriors Memorial, Fort Douglas Campus, University of Utah, Salt Lake City, Utah

TURNSTILES.us
SECURING THE U.S. and the GLOBE since 1989

Concrete Alternative Modular Pavers

Installations

Oakville, Ontario, Canada

Brunswick, Maine

Kirkland, Washington