

# UNI Eco-Stone®

## Permeable Interlocking Concrete Paver

UNI Eco-Stone® is the original permeable interlocking concrete paver, first introduced to North America in 1989. Specifically designed to reduce stormwater runoff, Eco-Stone® permeable pavements are a site-scale infiltration technology that is ideal for meeting NPDES regulations, LID and Smart Growth objectives, LEED® certification, impervious cover restrictions, and green building requirements.

- Can be designed to accommodate a wide variety of stormwater management objectives
- Runoff volume reductions of up to 100% depending on project design parameters
- Maximizes groundwater recharge and may be used for rain water harvesting for re-use
- Reduces nonpoint source pollutants in stormwater, thereby mitigating impact on surrounding surface waters, and may lessen or eliminate downstream flooding/streambank erosion
- Allows better land-use planning and more efficient use of available land for greater economic value, especially in high-density, urban areas
- May decrease project costs by reducing or eliminating drainage and retention/detention systems
- May reduce cost of compliance with stormwater regulatory requirements and lower utility fees
- May reduce heat island effect and thermal loading on surrounding surface waters
- Are an EPA-recommended Best Management Practice

Eco-Stone® permeable pavers are very effective at reducing the volume of stormwater runoff and its associated pollutants through infiltration and detention. They are ideal for areas where storm sewers are at or near capacity, where detention ponds are not feasible, when groundwater recharge is a priority due to population demands or drought, and in areas where impervious cover is restricted. When used in conjunction with other low impact development and best management practices, Eco-Stone® pavers can help protect the nation's water resources.

For information on design and construction, please consult the *UNI Eco-Stone® Design Guide and Research Summary*.

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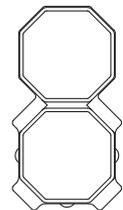


### Physical Characteristics

Height/Thickness	3 1/8"	= 80mm
Width	4 1/2"	= 115mm
Length	9"	= 230mm
Pavers per sq ft		= 3.55
Percentage of drainage void area per sq ft		= 12.18%

### Composition and Manufacture

Minimum compressive strength - 8000psi  
 Maximum water absorption - 5%  
 Meets or exceeds ASTM C-936 and freeze-thaw testing per section 8 of ASTM C-67.



Eco-Stone® pavers are ideal for residential, municipal, and commercial applications, including:

- Parking lots and residential streets
- Sidewalks and walkways ■ Driveways and entry areas

Eco-Stone pavement infiltration rates can be maintained by periodic street sweeping/vacuuming. Pavements may be snow plowed in the winter and less deicing salts are needed as snow melts and drains through the surface.



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