

# Eco-Optiloc® Heavy-duty Permeable Interlocking Concrete Paver

Eco-Optiloc® is an environmentally beneficial heavy-duty paving system designed to reduce stormwater runoff from municipal, commercial and industrial pavements. Eco-Optiloc® 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-Optiloc® features all the same attributes and features of our other UNI® permeable pavers with the added benefit of supporting heavier loads. It's L-shaped design can be used together with our traditional interlocking paver, UNI-Optiloc® to provide design professionals with the option of combining solid pavement areas with permeable areas. When installed, Eco-Optiloc's patented shape creates drainage openings and joints that facilitate the infiltration of stormwater runoff. Eco-Optiloc® is especially suited to fast, cost-saving mechanical installation.

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

UNI Optiloc® is a registered trademark of F. von Langsdorff Lic. Ltd., Caledon, Ontario, Canada  
©2010 UNI-GROUP U.S.A.

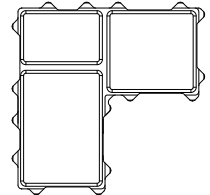


## Physical Characteristics

|                  |                |
|------------------|----------------|
| Height/Thickness | 3.125" = 80mm  |
| Width            | 10.22" = 260mm |
| Length           | 10.22" = 260mm |
| Pavers per sq ft | = 1.86         |

## 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-Optiloc® pavers are ideal for residential, municipal, commercial and industrial applications, such as driveways, entry areas, parking lots, streets, industrial parks and factory yards, container and bus terminals, storage depots, and ports.

Eco-Optiloc® pavement infiltration rates can be maintained by periodic street sweeping/vacuuming. Replenish joint and drainage void aggregate as needed when cleaning. Pavements may be snow plowed in the winter and less deicing salts are needed as snow melts and drains through the surface.



**UNI-GROUP U.S.A. - National Headquarters Office**  
4362 Northlake Blvd. • Suite 204 • Palm Beach Gardens, FL 33410  
(561) 626-4666 • FAX (561) 627-6403 • 1-800-872-1864  
www.uni-groupusa.org • E-mail: info@uni-groupusa.org