

## Eco-Stone® Pavers





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## INTRODUCTION

The original permeable paver, first introduced to the U.S. over 25 years ago, Eco-Stone continues to maintain its first-class status offering the look of cobblestones with infiltration of stormwater through its funnel-shaped openings. Eco-Stone features an attractive interlocking design with the strength needed to support heavy vehicular loading in low-speed roadway and parking lot applications.

## FEATURES

- Provides 100% stormwater infiltration - up to 10" of rainfall per hour over the 30-year+ design life of the pavement
- Less de-icers needed - Snow and ice melt drain through the openings, which means less slip hazard for pedestrians and vehicles
- Openings capture sediment at the surface where it is accessible to conventional sweepers
- Pavers are fully cured when delivered to job site and can be installed year-round
- For underground repairs, the paver units can be lifted and reinstated without leaving an unsightly patch
- Cost is comparable or better than conventional impervious pavement with traditional drainage

## COMPOSITION & PERFORMANCE

Eco-Stone permeable pavers are manufactured under controlled factory conditions offering superb quality, strength and durability. Design incorporates notched openings, that when properly filled with aggregate, comply with ADA criteria for a firm, stable and slip-resistant pavement. Eco-Stone is suitable for residential, commercial and municipal pavement applications and can be mechanically installed for cost savings on larger projects. Eco-Stone is capable of supporting H20 loads.

## PHYSICAL CHARACTERISTICS

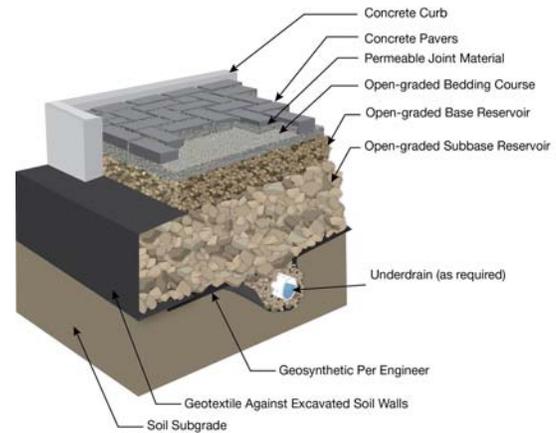
Eco-Stone pavers meet or exceed North American industry standards, including the requirements of ASTM C 936 for Solid Concrete Interlocking Paving Stones and CSA Standards for freeze-thaw performance. Our strict quality control ensures consistent strength, color and size.

<b>Nominal Size/Coverage:</b>	4½" x 9" • 3.55 pcs/sf
<b>Thickness:</b>	3 ⅜" (8 cm)
<b>Compressive Strength:</b>	8500 psi minimum
<b>Water Absorption:</b>	5% maximum
<b>Freeze Thaw:</b>	No Effect
<b>Slip and Skid Resistance:</b>	Excellent to ADA

*A white deposit known as efflorescence may appear naturally on any concrete or masonry product. It does not effect the structural integrity and will diminish over time. Efflorescence is not indicative of a flawed product. For more information, ask for Ideal's Efflorescence Advisory.*

## DESIGN & CONSTRUCTION

Permeable interlocking concrete pavements use open-graded crushed aggregates for the base, setting bed and joint fill. *(Please consult us when used over base comprised of dense graded aggregate.)* The illustration shown below represents a typical installation, though permeable interlocking pavements should be designed by design professionals to meet project parameters. The base/subbase must be of adequate thickness to support traffic and meet hydrological requirements. A perforated pipe is typically used to remove excess water, particularly when subgrade is comprised of slow-draining Type C and D soils.



## MAINTENANCE

Permeable interlocking concrete pavements offer years of structural performance while mitigating stormwater runoff. Good housekeeping practices are important to maintain infiltration that can be compromised due to fines and debris naturally accumulating on the surface of pavements and where sanding is often unavoidable in the winter. Practices include keeping the pavement free of leaves, weeds, and sediment, and spreading sand sparingly when necessary. Cleaning at regular intervals is prescribed to remove sediment trapped at the surface in the drainage voids. A stiff bristle broom works well for residential walks and driveways, while a conventional commercial sweeper is appropriate for parking lots. If severely clogged, aggregate in the openings can be removed and replaced with clean stone to restore infiltration to 100%. Do not pressure wash.

## TECHNICAL SERVICES

Please contact our sales office or visit our website at [www.IdealConcreteBlock.com](http://www.IdealConcreteBlock.com) for comprehensive technical information and literature.

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