

Eco-Venetian Stone™

Permeable Concrete Paver Environmental Systems

C R E A T I N G B E A U T I F U L L A N D S C A P E S

PERMATEX®

A GREEN APPROACH

THE LATEST PRODUCT DEVELOPMENT IN PERMEABLE PAVEMENTS

Eco-Venetian Stone™

Pavestone Eco-Venetian Stone™ is the sustainable solution for modular multiple shape permeable pavements. Its modular square and rectangular shapes with a cleft surface set it apart from other permeable pavement treatments. This texture resembles stone facing and invokes a more natural convention. The Eco-Venetian Stone™ larger scales lends itself to stately residential settings and more expansive commercial applications. Its modular pattern equalizes the scale of any project and is fitting to most any architectural elements.

The product is 80mm in thickness with a patented 1/4 inch interlocking joint. This ingenuity is singular to the Pavestone Eco-Venetian Stone™ product and insures optimum pavement performance unequalled in the permeable paver industry. The unique Eco-Venetian Stone™ joint profile allows surface water to infiltrate into the pavement and its sub-layers. With initial permeability average flow rates of over 350 inches per hour, the Eco-Venetian Stone™ product, even with a 90% clogging factor, will still meet the majority of current storm water management plans (SWMP). The structural interlocking capability is achieved by the paving unit having interlocking joints with a minimum of two vertically aligned horizontal interlocking spacer bars on each of its sides. These spacer bars interlock throughout the depth of the block and nest adjacently with neighboring paving units. This optimum interlocking function resists lateral and vertical displacement when the unit is exposed to vehicular loading.

The dynamics of pavement stress from traffic are better distributed providing a structurally superior permeable paving system. The horizontal edge to edge dimension is nominally 7mm. This small joint complies dimensionally with current ADA requirements for walking surfaces with spaces no greater than 1/2 inch. This narrow jointed surface diminishes vibration for wheelchairs and shopping carts when compared to other permeable paving products. Eco-Venetian Stone™ can assist in meeting current EPA best management practices and LEED certifications. The Eco-Venetian Stone™ product best achieves the balance of aesthetic segmental paving and the function of permeable pavement.

COMPOSITION AND MANUFACTURE

Eco-Venetian Stone™ is available in a height of 80mm. It is made from a "no slump" concrete mix made under extreme pressure and high frequency vibrations. Eco-Venetian Stone™ will meet or exceed ASTM C-936 with an average compressive strength greater than 8000 psi, minimum 7200 psi, and an average water absorption of 5%, maximum of 7%. Note: 80 mm product heights requires modifying the ASTM C 140 - Paver Annex A4 - "The test specimen shall be 60 ± 3 mm thick and, if necessary, cut to a specimen size having a Height/Thickness (width) [H/T] aspect ratio of 0.6 ± 0.1

INSTALLATION

1. Excavate unsuitable, unstable or unconsolidated subgrade material. Compact the area, which has been cleared as per the engineers of record (EOR) requirements. Backfill, level and densify the open graded aggregates as per the EOR's structural and hydraulic design.
2. Place bedding course of hard and angular material conforming to the grading requirements of ASTM No. 8 or No. 9 to a uniform minimum depth of 1 1/2" - 2". (38mm-50mm) screeded to the grade and profile required.
3. Install Eco-Venetian Stone™ with joints approximately 1/4". (7mm).
4. Where required, cut pave stones with an approved cutting device to fit accurately, neatly and without damaged edges.
5. Tamp pave stones with a plate compactor, uniformly level, true to grade and free of movement.
6. Spread a thin layer of hard angular material conforming to the grading requirements of ASTM No. 8 or No. 9 aggregate over entire paving area.
7. Make one more pass with plate compactor to nest the aggregate and fill joints to the top.
8. Sweep and remove surplus joint material.

Complete installation & specification details are available by contacting your Pavestone Sales Representative.

Note: Permeable pavements require both civil and hydraulic engineering. All final pavements design shall be approved by a licensed engineer familiar with local site conditions, building codes and storm water management plans.



PAVESTONE
Creating Beautiful Landscapes™
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APPLICATIONS

Light Duty Parking Lots • Driveways • Patios • Entrance Areas • Sidewalks • Terraces
Garden Pathways • Pool Decks • Pedestrian Malls • Roof Gardens

PRODUCT INFORMATION

Eco-Venetian Stone™ is available in a thickness of 3 1/8" H = 80mm

Eco-Venetian Stone™ Combo

Nominal Dimensions

Giant: 9 3/16" W x 9 3/16" L
240mm x 240mm

Large Rectangle: 4 7/16" W x 9 3/16" L
120mm x 240mm

Square: 4 7/16" W x 4 7/16" L
120mm x 120mm

Med. Rec.: 4 7/16" W x 6 13/16" L
120mm x 180mm

Height/Thickness: 80mm = 3 1/8" H

Stones/Pallet: 240 (48 Sq., 96 Med.,
80 Lg. Rec., 32 Giant)

Approx. Wt./Pallet : 2,750 lbs.

Sq. ft./Pallet: 75

Product Number: 689



Giant



Large Rectangle



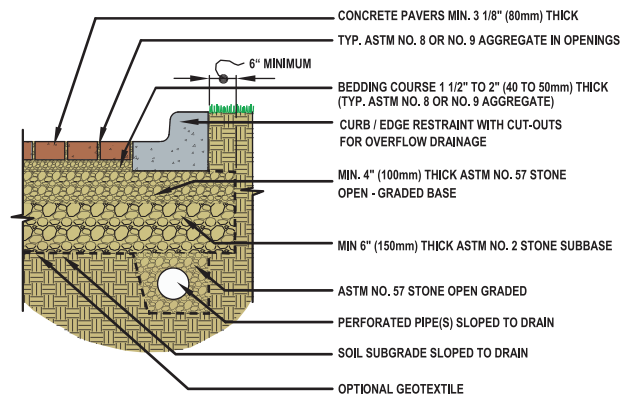
Square



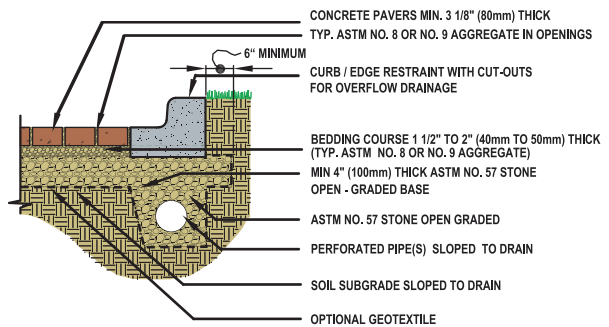
Med. Rec.

*Fractional dimensions are nominal.

PERMEABLE PAVERS TREATMENT AND DETENTION

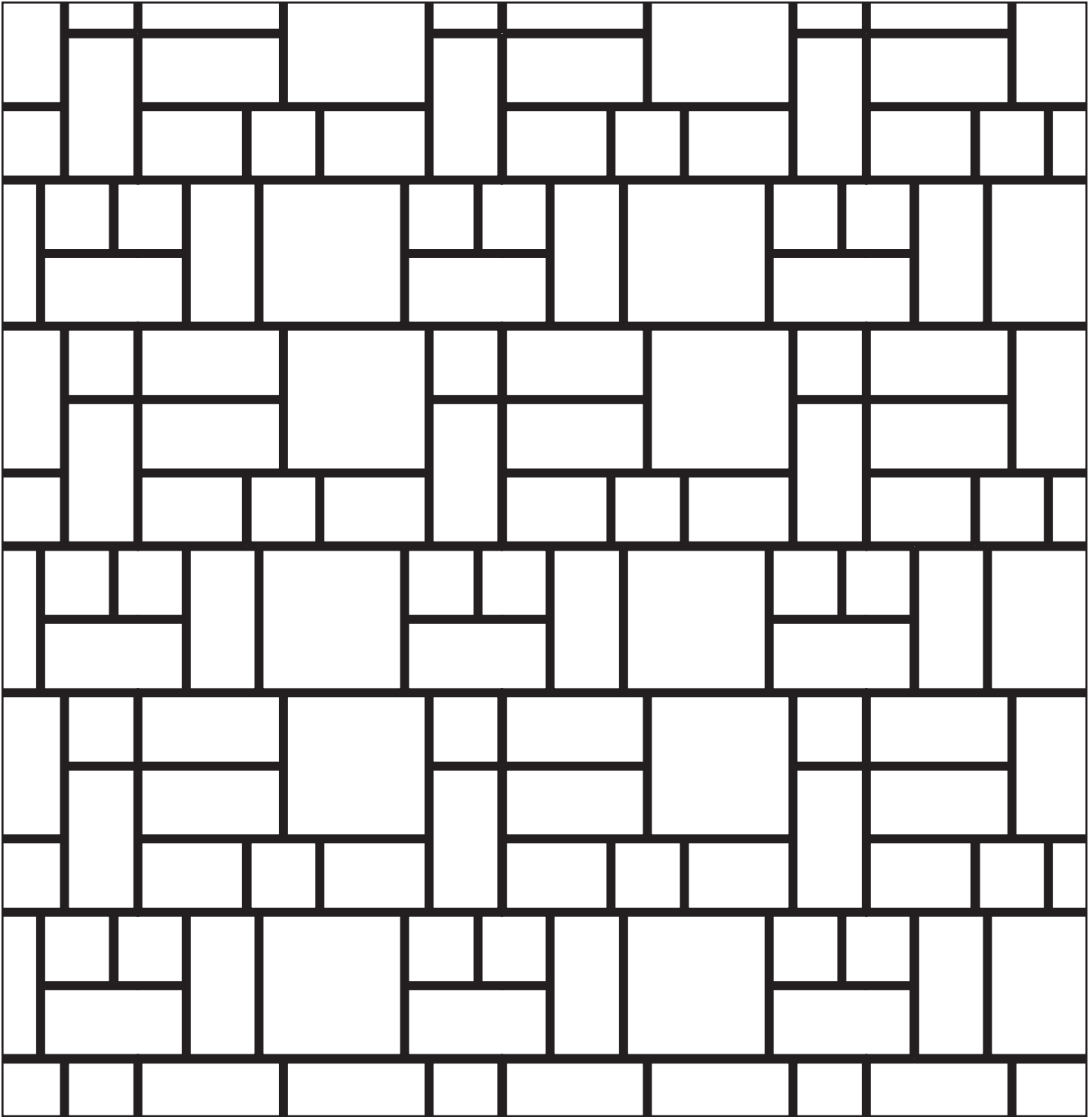


PERMEABLE PAVERS TREATMENT



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Eco-Venetian Stone™ 689 Installation Pattern



6X6, 6X9, 6X12, & 12X12 RANDOM (51)

PANGSTONE®
CREATING BEAUTIFUL LANDSCAPES™