HDPE • Injection Molded
Spikeless PICP Edge Restraint
For Permeable Paving Units 2” - 3 1/8” in Height

Edge Restraint — TECHNICAL DATA SHEET

PRODUCT DESCRIPTION:

Perm Edge is a contractor grade spike-less PICP edge restraint designed to be used with permeable paving units 2” - 3 1/8” in height. Its injection molded design made of 100% recycled HDPE (high density polyethylene) has built-in features that provide strength and stability. It comes fully assembled with a geogrid anchor permanently attached to the Snap Edge Restraint. Perm Edge is a **“One Piece Does It All”** system that can be used on straightaways, curves and even a complete radius without waste.

FEATURES	BENEFITS
“One Piece Does It All” Design with Snip N Flex Feature	• Only One Piece to Inventory • Use On Straightaways, Curves & Complete Radius • Less Waste
Rugged Injection Molded HDPE	• Resists Warping • Ensures the Strongest Edge
Strong Interlocking Integrated Joint	• Makes a Secure Connection without Extra Parts • Continuous Edge Keeps Bedding Material In Place • Provides Extra Support
Geogrid Anchor Permanently Attached	• Securely Holds Edging in Place Without Spikes
Open Base Design	• Allows for Grass Growth Along Edge of Paving Unit Creating a Strong Yet Invisible Edge
Simple To Install	• Installs on Top of the Stone Chip Setting Bed

APPLICATIONS:

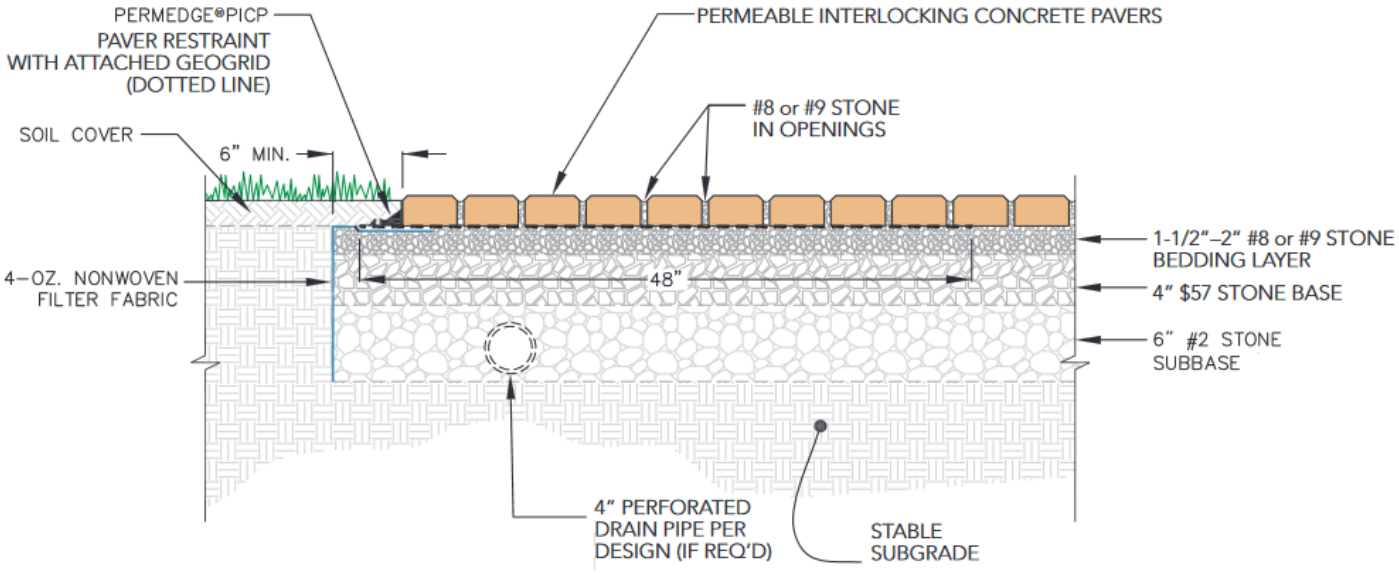
PermEdge is designed for residential & commercial permeable paver installations on an open graded base and is the ideal edge restraint for walkways, patios, courtyards and residential driveways with residential levels of vehicular traffic. PermEdge is designed to work best when following ICPI recommended best practices for installing permeable segmental pavement systems. Do not use with asphalt installations.

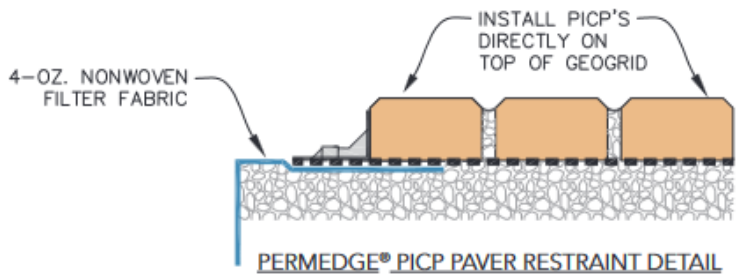


INSTALLATION REQUIREMENTS FOR OPTIMAL PERFORMANCE

- Follow ICPI recommendations for base installation. See ICPI’s **Tech Spec 18** and diagram below. Base material should extend a minimum of 6” past the paving units or equal to the depth of your base.
- All excess bedding material that extends outside the perimeter of the project should be removed down to the base layer before installing PermEdge.
- The edge restraint portion of PermEdge (not the grid) needs to be placed on the soil separation fabric.
- For ease of layout and installation, spikes can be used to temporarily hold PermEdge in place.
- Installed PermEdge should always be covered with back-fill and not extend to the top of the paving unit.

INSTALLATION CROSS-SECTION BEST PRACTICES:





PERMEDGE® PICP PAVER RESTRAINT DETAIL

INSTALLATION INSTRUCTIONS:

1. Excavate to the depth required to meet design criteria and extend excavation 6” past (outside) the edge of the paving units.
2. Install soil separation fabric along the sides of the excavation with a minimum of 12” of additional fabric extending past the top of the excavation. Allow for 12” overlaps between sheets.
3. Install base stone into excavated area (compact as per specification):
    - 1st layer - Minimum of 6” thick, ASTM NO. 2 open graded stone.
    - 2nd layer - 4” thick ASTM NO. 57 open graded stone.
    - Note: any required elevation changes desired in the pavement surface must be built into the base. Do not make grade change adjustments in excess of 1/2” with the setting stone.
4. Install stone setting bed on top of stone base: 1.5” to 2” thick of ASTM NO. 8 or 9 aggregate.
5. Take the 12” of extra soil separation fabric extending up along side the excavation and lay if flat over the setting stone.
6. PermEdge Installation:
    - Install PermEdge on one side of the pavement area. Additional PermEdge will be installed after paving unit placement.
    - Be certain that PermEdge sits on top of the soil separation fabric flap that lays on the setting bed.
    - Use 3/8” spikes to temporarily hold edging in place.
    - Unfold grid and extend it full length into the pavement area. Be careful to lay grid evenly over setting bed, insuring there are no folds/wrinkles in the grid.
    - Loose pavers or some additional setting bed stone can be lightly sprinkled over the grid to help hold it down in certain conditions.
    - When installing the edging with a radius, the back support of the PermEdge will need to be cut and the grid slit in even increments (suggested 12-18”) perpendicular to the edging. Smaller radius will require shorter increments (more slits).
7. Install paving units as per design along the PermEdge. Lay the paving units right on top of the grid being careful not to disturb the grid in any manner.
    - Extend the field of pavers out from the first edge to approximately 6’ away from the other desired edge. Stop laying pavers at this point.

INSTALLATION INSTRUCTIONS continued:

8. At the remaining edge of the project, lay the soil separation fabric flaps on top of the setting bed - similar to the first side of the project.
9. Install the remaining PermEdge, temporarily spiking it down on top of the soil separation fabric flap.
10. Lay out the grid from the 2nd edge, extending it completely back into the paved area taking care to remove all wrinkles and loose spots. Use loose pavers or some additional setting bed stone to hold grid temporarily in place.
11. Complete installing paving units per design.
12. Any required cutting of pavers (1/2 units and curved edging) will need to be cut with a table type block saw. Do not use a “cut off saw” and attempt to cut the pavers in place as you will cut the grid below. Should the grid be cut accidently, it must be removed and a new piece of PermEdge installed in its place.
13. Once all cuts are complete, finish installation as normal.
    - Compact stone with appropriate plate compactor or vibratory roller.
    - Fill paving unit joints with appropriate open graded stone chips (SEK-Surebond’s PermChip.)
14. Backfill PermEdge per design with soil, gravel, mulch etc. Backfill is important for appearance and prevents UV damage to the HDPE plastic over time.

SPECIFICATIONS/PACKAGING:

- 8’ length piece
- 4’ (length) attached geogrid anchor
- 64 pieces per pallet

STORAGE:

- Best if stored on original pallet

DISPOSAL:

Dispose of in accordance with all applicable laws and regulations.

ENVIRONMENTAL INFORMATION:

All edge restraints produced by SEK (Snap Edge, Snap Edge Low Profile and Barrier) are made from 100% recycled high density polyethylene (HDPE). The recycled HDPE comes from both post-consumer and post industrial material. HDPE is an inert material, versus PVC which is not, eliminating the concern of environmental contamination into the soil or atmosphere.

WARRANTY:

SEK-Surebond warrants its products to substantially conform to its published specifications at the time of purchase. The foregoing is the sole limited warranty applicable to the products. **SEK-SUREBOND HEREBY DISCLAIMS ALL OTHER WARRANTIES OF ANY KIND OR NATURE, WHETHER EXPRESS, IMPLIED, OR STATUTORY, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ANY OTHER WARRANTY OTHER THAN THE WARRANTY SET FORTH ABOVE.** The user is solely responsible for determining suitability of the products for their particular use. While the actual application of this product is out of the control of SEK-Surebond, it is recommended that the application guidelines be followed completely and accurately. SEK-Surebond’s liability for any damage shall not exceed the purchase price of the product used, and it shall have no liability for consequential, incidental or punitive damages.