

Note to Specifiers: This specification for Snap Edge Low Profile has been provided in CSI format. Contact SEK-Surebond at (800) 932-3343 for other formats you may require.

This Paver Edge Restraint section is intended to incorporate the specific elements that make up a good quality product and calls out some installation methods that help produce a good quality installation. The format should be modified to fit within the larger set of specifications used on your project. The specifications for Paver Edge Restraint are often not freestanding, but are included into the Materials, Submittal, Installation or other portions of the sections on Unit Paving.

SECTION 1 - VERSATILE REINFORCED EDGE RESTRAINT Engineered for natural stone, cast stone, slabs and pavers less than 2" high.

PART 1 - GENERAL

1.01 SUMMARY

- A. **Section Includes:** Furnishing of all labor, materials, services and equipment necessary for the supply and installation of versatile reinforced paver edge restraints adjacent to concrete pavers as indicated on drawings and as specified herein.
- B. **Related Sections:**
1. Section 02783 - Interlocking Concrete Unit Paving
 2. Section 02780 - Clay Unit Pavers
 3. Section 03100 - Concrete Work

1.02 REFERENCES

- A. **Applicable Standards:** The following standards are referenced herein.
1. American Society for Testing and Materials (ASTM)

1.03 SYSTEM DESCRIPTION

- A. **Paver Edge Restraint** - 8 foot, snip and flex paver edging, made of 100% recycled high density polyethylene (HDPE).

1.04 SYSTEM PERFORMANCE REQUIREMENTS

- A. **Testing Requirements:** Paver edge restraint shall be tested in accordance with the following standards and conditions, and the testing results shall meet or exceed the performance requirements as specified herein.
- B. **Independent Laboratory:** Testing shall be performed by an independent laboratory meeting the requirements of ASTM E 329-95 and certified by the United States Bureau of Standards. Testing laboratory shall obtain all concrete samples and edge restraint samples.

1.05 SUBMITTALS

- A. **General:** Submit listed submittals in accordance with conditions of the Contract and with Division 1 Submittal Procedures Section.
- B. **Product Data:** Submit product information, including manufacturer's specifications, installation instructions, manufacture's recommendations, and manufacturer's certification or other data substantiating the product complies with requirements of these Contract Documents.
- C. **Manufacturer's Certification:** Provide certificates signed by manufacturer or manufacturer's representative certifying that the materials to be installed comply in all respects with the requirements of this specification.
- D. **Installer:** The installer shall provide a list of projects, including references with contact information, demonstrating at least 5 years of experience in the application of the sealer or similar materials.

1.06 QUALITY ASSURANCE

- A. **Manufacturer:** The manufacturer shall have no less than 20 years experience in manufacturing the paver edge restraint.
- B. **Installer:** The installer shall demonstrate to the satisfaction of the Architect/Engineer an acceptable level of experience in the installation of the paver edging or similar products.

- C. **Pre-Installation Conference:** Prior to installation of paver edging, conduct meeting with the installer, general contractor and Architect/Engineer, owner's representative, and paver edging manufacturer's representative to verify and review the following:
1. Project requirements for materials and installation as set out in Contract Document.
 2. Manufacturer's product data including application instructions.
 3. General site conditions, schedule, coordination with other activities, line and grade of the work, substrate conditions, procedures for substrate preparation and installation.

1.07 DELIVERY, STORAGE AND HANDLING

- A. **Delivery:** Deliver materials to project site undamaged on a well organized pallet.

1.08 MATERIALS

- A. The material shall be 8 foot long paver edging segments, capable of being used for both straight and curved edges.
- B. The material shall be 100% recycled HDPE.
- C. The product shall be manufactured as high strength paver edge restraint.
- D. The material shall comply with the criteria in 1.04 of this section.
- E. The material shall be one piece design with snip and bend for inside and outside curves.
- F. The material shall be of open base design.
- G. The material will have nail boss guides every 4 inches.
- H. The material will have integral lap joint connector piece to piece.

1.09 PROJECT CONDITIONS

- A. Long nails shall be used to secure the paver edge restraint into the properly compacted sub base. These nails are commonly referred to as "Landscape Spikes".
- B. Spikes shall be standard headed, steel, 3/8" diameter by 8, 10, or 12 inches long.
- C. Spike spacing may be 12" to 24" apart with the following general guidelines:

- i. Using 10" long spikes spaced 12" apart is preferred to using longer spikes with 18" or 24" spacing.
 - ii. Projects immediately backfilled (full depth) with a complete root producing foliage such as grass (3) will be acceptable with 18" or 24" spacing when the roots are entwined with the edging.
- D. Paving stability is a function of spike spacing and base stability. Paver edge restraint is useless if it is free to move laterally. Projects shall have a full depth compacted base that extends 12" beyond the edging nail hole center line.
- E. Sod or grass backfilled (full depth) projects may have a maximum spike spacing of 18". Other backfills require 12" spike spacing. Backfill must be full depth from base to top of pavers.
- F. For pedestrian sidewalks only: spike spacing may be 24" with full depth grass or sod backfill.
- G. Under no circumstances is it permissible to install edging on paver bedding sand.
- H. In all cases paver edge restraints must be covered completely with backfill and/or grass, etc.
- I. Edge restraint must be used anywhere the unit pavers are not otherwise permanently restrained from any horizontal movement.

1.10 EXECUTION

- A. Install edging restraint 6" to 12" from the edge of the base using 3/8" diameter x 10" long spikes. Spiked are spaced about 12 to 24 inches apart for average conditions. The joints between sections of the edging should be planned so they do not occur in sharp corners.
- B. Bend the edging around corners by cutting away nail-hole bosses and snipping supports, as required.
- C. Paver edge restraint shall be installed after unit pavers are laid and prior to compaction.
- D. Compacted aggregate base must be extended 6" beyond the edge of the pavers to accommodate the plastic edge restraint. The edge must be placed directly on the compacted base, not on the sand setting bed.
- E. Place edging all along exposed edges of the pavers in full pieces wherever possible. Make sure the restraint locking mechanism is used to firmly join one piece to the next.

- F. If a short piece must be used, snap it at one end and then place nail through every hole for extra support. Avoid using pieces that don't snap into at least one neighboring piece.
- G. For patios and walkways, place an 8" - 10" spike every 2' except at sharp curves or corners where more concentration is required. Corners - one on each side. Curves - one in each hole until curve is complete.
- H. For residential & commercial vehicular applications, place a spike every foot, except at sharp curves or corners.
- I. For commercial vehicular applications, place a spike every 8" except at sharp curves or corners.
- J. Once construction is complete, cover the edge restraint with sand, soil or sod.

END OF SECTION