



StructurEdge<sup>™</sup> is a permanent, aluminum paving restraint system that is designed to be easier to install and out-perform plastic, PVC and steel systems. Its tight-fitting L-shaped design promotes healthy turf and accommodates irrigation heads. StructurEdge readily forms to curves, radii and angles, as well as straight lines, allowing wide installation flexibility.

- StructurEdge is a versatile product that can be easily installed under the paver or away from the paver. In addition, each piece is capable of performing straight or curvilinear applications.
- StructurEdge's interlocking sliding connectors eliminate possible weak points. A low profile design allows for healthy turf and irrigation heads immediately adjacent to pavers (unlike bulky triangular restraints).
- StructurEdge allows a single part to be used for curves, angles and straight lines with minimal effort.



## 1. Product Name

Permaloc StructurEdge

## 2. Manufacturer

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## 3. Product Description

StructurEdge is designed for the areas where hardform and natural landscape meet. Designers tell us that these areas are the most difficult to retain, although well defined on paper; their clarity is often lost to the realities of time and ongoing maintenance.

StructurEdge is a permanent paving restraint system that is designed to be easier to install and out-perform plastic, P.V.C. and steel systems.

StructurEdge readily forms to curves, radii and angles allowing wide installation flexibility.

StructurEdge provides a clean, unobstructed edge along the paver installation allowing the use of a power edger directly adjacent to the paving stones.

### SIZES

StructurEdge is available in 3/32", 1/8", or 3/16" thickness by 1-5/8" and 2-1/4" depths. Sections available in 8' lengths.

### FINISHES

Finishes include: Mill (natural aluminum), Black DuraFlex (electrostatically applied, baked on paint).

### ANCHORING

Anchoring is accomplished through the use of 10" spiral steel spikes and is designed to receive spikes every 4". Other anchoring options may be applicable.

### CONNECTION

Our unique sliding connection system eliminates possible weak points in the system.

## 4. Technical Data

### GENERAL

Manufactured of 6063 Alloy containing Silicon and Magnesium as the major alloying elements, contributing to good strength, corrosion resistance, weldability, and machinability.

According to the Aluminum Extruders Council (AEC) publication Extrusion Spotlight Alloys, aluminum alloyed in the 6XXX series contain the following desirable properties:

1. Very lightweight, one-third that of steel

2. High strength, comparable to steel and steel/concrete composites.
3. Strength and ductility as high or higher at sub-zero temperatures than at room temperature.
4. Exceptional corrosion resistance.
5. Ease of fabrication by many techniques, including extrusion, to unique advantageous structural configurations. This publication can be found at [www.aec.org](http://www.aec.org).

### EXTREME LOW TEMPERATURE

The many advantages of extruded aluminum are not impaired by exposure to low temperatures. Aluminum actually gains strength as temperature is reduced, making it an appropriate metal for low temperature applications.

### ULTRAVIOLET RADIATION

Aluminum reflects ultraviolet radiation and is not damaged by it. Sunlight includes ultraviolet (electromagnetic) radiation which may cause chemical or structural changes in some commercial materials.

### COMBUSTABILITY

Extruded aluminum will not burn, which makes it safer than many other materials, such as wood, paper, or plastic for design applications. Extruded aluminum does not emit any toxic, hazardous fumes when exposed to high temperatures.

### 5. Installation PREPARATION

Ensure that all underground utility lines are located and will not interfere with the proposed edging installation before beginning work. Locate border line of edging with string or other means to assure border straightness and curves as designed.

### PLACEMENT

Install base of edging resting on compacted level base and facing [away from] [towards and under] paver; drive 3/8" x 10" (9.5 mm x 254 mm) bright spiral steel spikes through edging holes in section base of paver restraint edging at spaces for following applications:

1. Anchor each section end with spike.
2. Patios and Walkways: 12 inches (305 mm) to 24 inches (610 mm) on center.
3. Driveways: 4 inches (102 mm) to 12 inches (305 mm) on center.
4. Heavy Vehicular Loads: 4 inches (102 mm) on center.

### CORNERS/ANGLES

Where edging sections turn at corners or angled runs, use hands or other object to form edging to desired shape. Edging can be hand formed to curves or intricate angles and shapes with minimal effort.

### BACKFILLING AND CLEANUP

Backfill and compact backfill material along edging. Cleanup and remove excess material

from site.

## 6. Availability & Cost

### AVAILABILITY

Product is supported by a global network of distributors. Consult manufacturer for information on local availability.

### COST

Information regarding budget and installed costs can be obtained from the manufacturer.

## 7. Warranty

15-year limited material warranty for edging from manufacturing defects in workmanship or material. Contact manufacturer for more information on warranty terms.

## 8. Maintenance

Permaloc edging systems typically require maintenance only in the event that the landscape design is changed.

## 9. Technical Services

Permaloc Corporation works closely with the specifier to ensure the appropriate products are chosen for the application. For technical assistance, contact the manufacturer.

## 10. Filing Systems

Additional product information is available from the manufacturer at [www.permaloc.com](http://www.permaloc.com) or by calling 1.800.356.9660.

