



Onyx<sup>™</sup> is the revolutionary narrow profile plastic landscape edging engineered from a durable Rigid PVC. Onyx utilizes a unique, patented sliding connection system that allows the two ends to stay securely connected with the addition of the locking stake. Extreme flexibility allows for graceful curves, resulting in an eye-appealing, long-lasting landscape design.

- Engineered C-channel design provides an easy (yet secure) connection, while still providing a slim profile for an extremely crisp line in the landscape.
- Designed with a unique, patented connection system that utilizes a stake to permanently interlock adjacent edging sections - eliminating horizontal separation or possible weak points.
- Includes heavy-duty 8" steel landscaping stakes that securely anchor it into the ground through pre-punched stake holes, providing long-term durability and easy installation.



## 1. Product Name

Permaloc Onyx

## 2. Manufacturer

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## 3. Product Description

Permaloc Onyx is a revolutionary narrow profile plastic landscape edging engineered from a durable Rigid PVC.

Onyx has a unique, patented C-channel design that provides an easy, yet secure, connection. The utilization of a stake will permanently interlock adjacent edging sections - eliminating horizontal separation or possible weak points.

Extreme flexibility, in addition to the narrow profile, allows for graceful curves. This results in an aesthetically pleasing, long-lasting landscape design.

### SIZES

Onyx is available in .065" thickness by 4" depth. Sections available in 8' (16' lengths available as special order).

### FINISHES

Finishes include: Black Rigid PVC.

### STAKES

Heavy duty 8" steel stakes are included with each section and insert into pre-punched holes in the edging securely anchoring it into the ground.

Each 8' section includes 3 stakes (special ordered 16' sections include 5 stakes each)

### CONNECTION

Our dual-channel, sliding connection system eliminates possible weak points in the system. The telescoping connection is locked with a stake.

### ACCESSORIES

An optional Connector is available.

## 4. Technical Data

### GENERAL

Polyvinylchloride, (IUPAC Poly(chloroethenediyl)) commonly abbreviated PVC, is a thermoplastic polymer. It is a vinyl polymer constructed of repeating vinyl groups (ethenyls) having one of their hydrogens replaced with a chloride group.

Unplasticized polyvinyl chloride (uPVC) or Rigid PVC is often used in the building indus-

try as a low-maintenance material. The material comes in a range of colors and finishes, and is used as a substitute for painted wood, mostly for window frames and sills. The same material has almost entirely replaced the use of cast iron for plumbing and drainage, being used for waste pipes, drainpipes, gutters and downpipes.

### THERMAL PROPERTIES

Rigid PVC can be used only in a narrow temperature range. The lower limit is -5°C and the upper limit is 60°C. Copolymers can be used up to 80°C and impact-resistant types can be used at temperatures as low as -25°C.

### COMBUSTABILITY

The chlorine content of PVC means that it is difficult to ignite and will self-extinguish when the flame is removed. The material will conform to Class I (most resistant) of BS 476: Part 7: 1987 for surface spread of flame. PVC raw material is flame resistant. Rigid PVC is flammable with difficulty.

## 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. Dig trench 1 inch deeper than set of edging bottom.

### PLACEMENT

Set edging into trench with top at 1/2 inch above compacted finish grade on turf side with side having loops for stakes placed on opposite side of turf. Connect adjoining pieces by rotating alternating edging pieces and sliding pieces together using top and bottom "C" channels. Align end stake holes for connection locking stake. Drive stakes through pre-punched stake holes in edging. Requires 5 stakes evenly spaced for each 16' section, or 3 stakes evenly spaced for each 8' section. Be sure to drive stake through overlapped end stake holes to ensure a permanently locked connection.

### CORNERS/ANGLES

Where edging sections turn at corners and at angled runs, cut edging partially up through its height from bottom and turn back to desired angle.

### BACKFILLING AND CLEANUP

Backfill both sides of edging, confirm and adjust if necessary that sections are securely held together, and compact backfill material along edging to provide top of edging at 1/2 inch (12.7 mm) above turf finish grade. Clean-up 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.

