

# UB 36-2/UB 48-2 Specifications

## 36" / 48" DeepRoot Tree Root Barrier

Specified tree root barriers are a mechanical barrier and root deflector to prevent tree roots from damaging hardscapes, and landscapes. Assembled in 2' (61 cm) long modules to create varying lengths for linear applications directly beside a hardscape adjacent to one side of the trees or for large perimeter surround applications with a minimum 8' (2.43 m) diameter using 12 panels.

### A. Materials

1. The contractor shall furnish and install tree root barriers as specified. The tree root barriers shall be either product # UB 36-2 or UB 48-2 as manufactured by DeepRoot Partners, L.P., 81 Langton Street, Suite 4, San Francisco, CA 94103 (800.458.7668), or approved equal. The barrier shall be black, Extruded Panels, of 0.80" (2.03mm) wall thickness in modules 24" (61cm) long either 36" (91 cm) or 48" (122 cm) deep; manufactured with homopolymer polyethylene with added ultraviolet inhibitors; recyclable. Each 2' (61 cm) section shall have:

Not less than 4 Molded Integral Vertical Root Directing Ribs of a minimum 0.080" (2.03mm) thickness protruding 1/2" (12.7 mm) at 90° from interior of the barrier panel, spaced 6" (152.4 mm) apart. See panel drawing.

An integrated Joining System providing for instant assembly by sliding one panel into another.

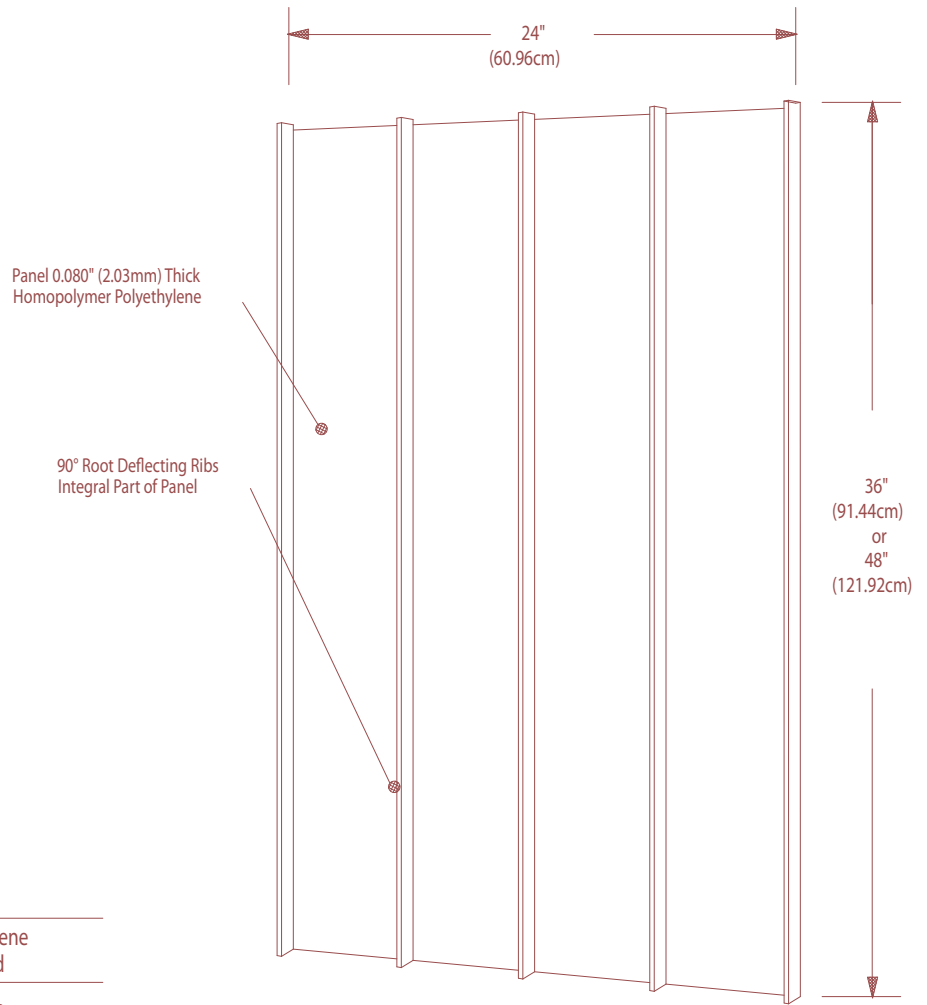
The basic properties of the material shall be:

Material and Thickness		Homopolymer Polyethylene 0.080 inch Extruded	
Properties	ASTM Test Method	Typical Value	
Tensile stress @ yield	D638	3800 PSI	
Elongation @ break %	D638	10%	
Tensile Modulus	D638	155,000 PSI	
Notched Izod Impact	D256A	0.4 - 4.0	
Flexual Modulus 73	‡ PSI	D790	145,000
Hardness Shore	D2240	P66	

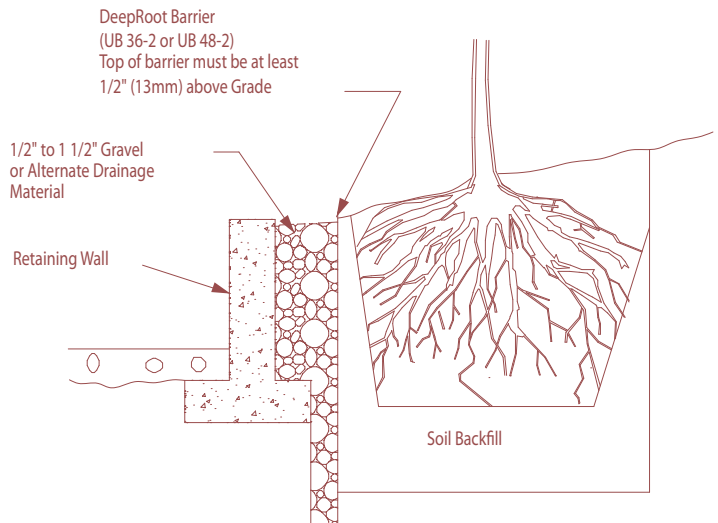
### B. Construction and Installation

1. The contractor shall install the tree root barriers with the number of panels and in the manner shown on the drawings. The vertical root directing rib shall be facing inwards to the root ball and the top edge shall be 1/2" (12.7 mm) above grade. Each of the required number of panels shall be joined in a linear fashion and placed along the adjacent hardscape or where specified connected to form a circle around the root ball.

2. Excavation and preparation shall conform to the drawings.



A Typical Linear Planting Installation Using DeepRoot UB 36-2 or UB 48-2



Install DeepRoot UB 36-2 or UB 48-2 6"-12" behind planter or retaining wall.