

BB 24, BB 36

DeepRoot Bamboo Barriers

Specified bamboo barrier is a mechanical barrier to prevent bamboo rhizomes from damaging hardscapes and landscapes. Assembled in varying lengths to surround the planting area or for linear applications directly beside a hardscape adjacent to one side of the bamboo.

A. Materials

- The contractor shall furnish and install bamboo barrier as specified. The bamboo barrier shall be either product # BB 24 or BB 36 as manufactured by Deep Root Partners, L.P., 81 Langton Street, Suite 4, San Francisco, CA 94103 (800-458-7668), or approved equal. The barrier shall be recyclable black high density polyethylene sheet material, depending on model selected the dimensions shall be as follows:

BB 24: 0.30" (0.76 mm) wall thickness, 24" (61 cm) deep

BB 36: 0.30" (0.76 mm) wall thickness, 36" (91 cm) deep

The properties of the material shall be:

Specifications

High Density Polyethylene (HDPE) Geomembrane Properties:

Parameter	ASTM Test Method	Mean Value
MD Break Strength (psi)	D 638	2533 psi
TD Break Strength (psi)	D 638	3594 psi
MD Break Elongation (%)	D 638	211 %
TD Break Elongation (%)	D 638	328 %
Puncture Strength (lbs)	D 4833	93 lbs.
MD Tear Strength (lbs)	D 1004	29 lbs
TD Tear Strength (lbs)	D 1004	36 lbs
Hydrostatic Resistance (psi)	D 751, Procedure A	328 psi
Multi-Axial Tensile Properties		
Maximum Stress (psi)	D 5617. Test Method A: Centerpoint Deflection Versus Pressure	2361 psi
% Elongation @ Rupture	D 5617. Test Method A: Centerpoint Deflection Versus Pressure	20.8 %
MD= Machine Direction	TD= Transverse Direction	

B. Construction and Installation

- The contractor shall install the bamboo barrier with appropriate length and in the manner shown on the drawings. The top edge shall be 1" (25.4 mm) above grade.
- Excavation and preparation shall conform to the drawings.

A Typical Surround Planting of Bamboo Using DeepRoot Bamboo Barrier

