

VILLA ROOT BARRIER, INC.

BioBarrier & BioBarrier II Product Specifications

BioBarrier® is an advanced long-term root control system consisting of time-release nodules. When strategically placed in the soil, it prevents structural damage from root encroachment. Effective life of BioBarrier® is 15 years or more depending on the application.

Active: Trifluralin (a,a,a -Trifluoro 2,6- dinitro -N,N -Dipropyl -p -toluidine)	18,9%
Inert: Typar® Spunbonded Polypropylene, Polyethylene and Carbon	81,1%

Product		Herbicide	
Specific Gravity	<1.00	Vapor Pressure (mm Hg @ 25° C	1.03 x 10 ⁻⁴
Appearance	Gray Fabric with Black Nodule	Solubility in Water (mg/L @ 25°C)	<0.21
Odor	No Appreciable		

Fabric

Property	Typical Value	Test Method
Unit Weight (oz./yd ²)	4.0	ASTM D-3776
Tensile Strength (lbs.)	145	ASTM D-4632
Elongation at Break (%)	>70	ASTM D-4632
Mullen Burst Strength (psi)	175	ASTM D-3786
Puncture Strength (lbs.)	50	ASTM D-4833
Coefficient of Permeability (cm/sec)	3x10 ⁻²	ASTM D-4491

Nodule

Base Diameter (in.)	0.43
Height (in)	0.25
Weight (oz)	0.013
Spacing (in)	150

Total Product

Weight (lbs./ft. ²)	.083
Weight (lbs./yd. ²)	.747

BioBarrier Width

Intended Uses	12 in.	19.5 in.	39 in.	58.5 in	Width (in.)	Length (ft.)	Approx. Diameter (in.)	Approx. Weight (lbs.)	Approx. Quantity/Roll (sq. ft.)
Landscape Beds	•	•			12	20	6	1.7	20
Sidewalks	•	•			12	100	11	8.3	100
Driveways	•	•	•		195	100	11	13.5	162.5
Curbs	•	•	•		39	100	11	27.1	325
Walkways	•	•	•		58.5	100	11	40.6	487.5
Parking Lots	•	•	•						
Tennis Courts	•	•	•						
Jogging/Bike Trails	•	•							
Drainage Pipes	•	•	•	•					
Bldg. Foundations	•	•	•	•					
Home Patios	•	•	•						
Greens	•	•	•						
Tees	•	•	•						
Fairways	•	•							
Cart Paths	•	•							
Bunkers/Traps	•	•							

This chart is a general guide only. Your specific applications may require slightly different sizes. As a general rule, the greater the fabric width, the greater the degree of protection against costly root damage. But like any barrier, the protection does not extend beyond the dimensions of the fabric. So it's important to use adequate width to assure proper protection.