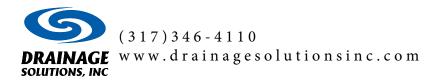


Biobarrier®: Golf Green Application



TYPAR Geosynthetics

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Note 1: Contact your utility company prior to trenching. Consult a professional arborist if root trimming is required.

Note 2: Install & Cover Biobarrier® as soon as possible (within 12 hours) after opening. High temperatures and direct sunlight can reduce

Note 2: Initial 8. Covid* blocharmer* as son as possible (within 12 hours) after opening. High temperatures and direct surlight can reduce effective product life.

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Specific advice on the use of Biobarrier® can be obtained from Polymer Group Inc.

Table 1 : Biobarrier® Specifications

Description Product	Biobarrier® Root Control System	ata		
Chemical Family	Thermoplastic Polyolefin			
Composition	Polypropylene	> 74.8%		
	UV Stabilizer	< 5%		
	Trifluralin	< 20%		
	Pigment Masterbatch ¹	< 0.5%		
Appearance Physical State Vapor Pressure* Boiling Point Solubility (H ₂ O)* Vapor Denaity Packing Denaity Odor pH Evaporation Rate Mediting Point* Specific Graftle UV realstance Corroshty Flamabäty Toxicity Hygroscopicity Esploshty Hygroscopicity Esploshty Esploshty	Gray Fabric Solid 13.7 mPa @ 25°C Not Applicable 0.2 ppm @ 25°C Not Applicable No			
Fabric				
Unit Weight Tensile Strength (lbs.) Elongation at Break (%) Mullen Burst Strength (psl) Puncture Strength (lbs.) Coefficient of Permeability (cm/sec.)	4.0 45.0 > 70.0 175.0 50.0 3 x 10 ²			
Nodule				
Base Diameter (in.) Helght Welght (os.) Spacing (in.)	7/16 1/4 0.013 1-1/2			

Chart 1: Examples of Intended Biobarrier® Root Control Applications & Roll Widths

Application	Root Control Width in. (cm)						
	12 (30)	19.5 (50)	24 (61)	29 (74)	39 (99)	58.5 (149	
Building Foundations					X	Х	
Burial Vaults/Tombstones						Х	
Containers			X	Х	X	X	
Curbs		X	Х				
Drain Lines	X	X	X	Х	X	X	
Earthdams						×	
Golf Greens/Tees/Cart Paths		Х	X	X	X		
Landfills						X	
Medians			X	X	Х		
Paths	X	X	Х	Х		1	
Planting Beds		X	X	X	X	X	
Pot 'N' Pot	SOLD IN 6" X 12" SWATCHES (500/BOX)						
Pots	X	X				T	
Retaining Walls				X	X	X	
Roads		X	X	X			
Roof Gardens					X	X	
Septic Tanks/Fields						X	
Sidewalks		X	X	X			
Swimming Pools		X	Х	Х	X		
Tennis Courts		X	X	X	X		
Underground Pipes/Cables	X	X	X	X	X	X	
Underground Storage Tanks						Х	
Utility Substations		X	X	X	X		

Chart 1 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 not clamage. But, like any other root barrier the protection does not extend beyond the edge of the fabric. So it important to use adequate length and width to assure proper protection.

This field guide is provided as an aid to assessing root control in commonly encountered site conditions. Polymer Group Inc. accepts no responsibility for any loss or damage resulting from the use of this guide.

Please note that the information above is given as a guide only. All sizes and weights are nominal figures and may vary to what is published. Polymer Group Inc. cannot be liable for damage caused by incorrect installation of this product. Final determination of the suitability of any information or material for the use contemplated and the manner of its use is the sole responsibility of the user and the user must assume all risk and responsibility in connection therewith.

Biobarrier® Root Control Fabric For Golf Green Applications

Specification, Design & Installation Guide