

# GRASS & GROUND

REINFORCEMENT SOLUTIONS



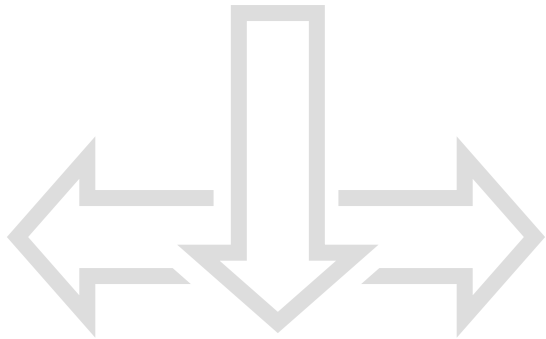
# COMMITTED TO PERFORMANCE

TYPAR™ is a brand of Berry Global, a Fortune 500 company and one of the world's leading producers of engineered non-woven fabrics, and is committed to developing products and processes that provide a safer, cleaner, and healthier world.

TYPAR is a market leader in the design and manufacture of innovative geosynthetics, providing a unique range of performance led solutions utilizing a broad range of international brands. We excel in the innovative application of technology to create versatile, high-performance materials which are unique, cost-effective and deliver significant added value.

With a strong background and proven excellence within the civil, construction, military, horticulture and landscaping industries, Berry Global offers enhanced commercial opportunities, as well as adding value to existing customers through a broadening product portfolio.

For many years, TYPAR has focused on identifying and improving performance in key areas of environmental impact, which includes waste production, energy consumption, water resource management, and the use of recycled and degradable materials. All TYPAR materials contain recycled content up to 100% and are chemically inert.



## GROUND SUPPORT & STABILIZATION

TYPAR Geosynthetics provide trusted, performance based Ground Support & Stabilization alternatives to more traditional building staples like stone, sand and asphalt. Our products are lighter and easier to install than their mineral counterparts, reducing materials required, waste created and the need for heavy construction equipment. TYPAR Geosynthetics can meet application requirements and extend the life of the projects.



# ROOT & WEED CONTROL SYSTEM

# TYPAR BIOBARRIER®

The BIOBARRIER root and weed control system manages roots through the slow, controlled release of Trifluralin, a non systemic herbicide that has been used in food crop production for more than 40 years. Nodules containing Trifluralin are through-injection-molded to 4 osy, durable TYPAR GEOTEXTILE fabric, creating a continuous chemical and physical barrier against roots without impeding the flow of water, air or nutrients. Roots growing into the zone of inhibition are stopped, not just redirected, encouraging the plant to send energy to unimpeded areas of the root system, promoting healthy plant growth.

**BIOBARRIER Root Control System**

Used vertically, the BIOBARRIER root control system protects adjacent structures from root damage. Guaranteed protection for 15 years reduces the chance of injury and potential liability, as well as the costs associated with preventative maintenance and damage repair.

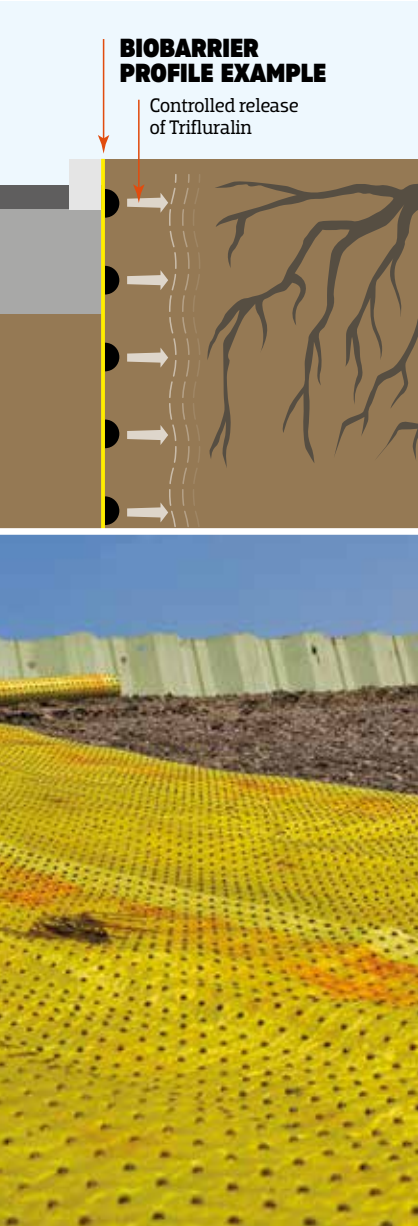
**BIOBARRIER Weed Control System**

Installed horizontally below 3" of stone/wood mulch, the BIOBARRIER weed control system blocks weed establishment using two layers of defense: chemical and physical. Guaranteed for 10 years, weeds are unable to develop a strong root system in the mulch layer while ornamental tree and shrub roots expand unimpeded below the Trifluralin emitting fabric layer, eliminating unwanted competition and maintenance costs.

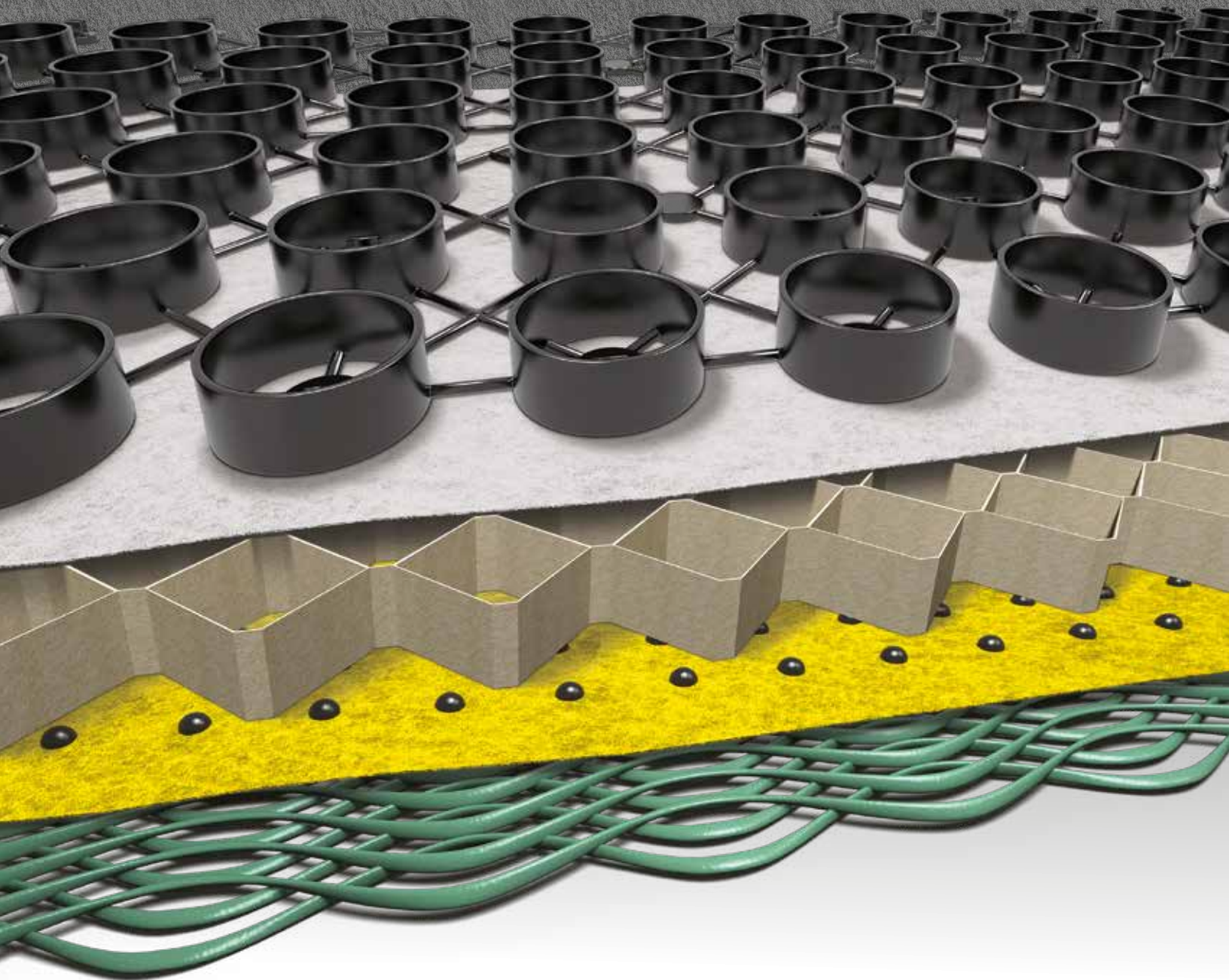
**BIOBARRIER Surround System**

Tree roots seek out air and moisture in the soil, causing expensive damage to underground infrastructure, septic lines, municipal pipes, swimming pools, and more. BIOBARRIER'S unique geotextile design lends it the flexibility to surround infrastructure, extending the life of your investment by providing protection from root damage for a minimum of 15 years.

Weed Control Width (In)	Roll Length (ft)	Color	Material	Guarantee
29, 39, 58.5	20, 100	Yellow	TYPAR Geotextile	15 years*
Root Control Width (In)	Roll Length (ft)	Color	Material	Guarantee
12, 19.5, 24, 29, 39, 58.5	20, 100	Yellow	TYPAR Geotextile	15 years*



\*Guaranteed for up to 15 years, see website for details.



Product data sheets, case studies, installation guides and project information are available on request or can be downloaded from [typargeosynthetics.com](http://typargeosynthetics.com) Please contact our sales team for reference projects or for further advice.

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Canada  
Michel Boyer  
514-772-5382  
[michel\\_boyer@dbbinc.ca](mailto:michel_boyer@dbbinc.ca)  
[www.dbbinc.ca](http://www.dbbinc.ca)

TYPAR™ Geosynthetics  
Tel: 1-800-541-5519  
Email: [geos@typar.com](mailto:geos@typar.com)  
[www.typargeosynthetics.com](http://www.typargeosynthetics.com)

70 Old Hickory Blvd.  
Old Hickory, TN 37138