



**GREEN DESIGN
ENGINEERING™**



Earth-Friendly Solutions for Sustainable Results™

Profile Products' Green Design Engineering™ creates cost-effective and environmentally superior solutions through the design, manufacture and application of sustainable erosion control and vegetation establishment technologies. By assuring reliable and more successful erosion control through faster and denser vegetation establishment, Green Design Engineering creates a positive impact by:

- unifying developers, engineers and communities involved with solar power installations, landfill reclamations, wetlands restorations, and many other green initiatives
- meeting current and proposed EPA protocols to ensure the safety of aquatic and terrestrial life
- contributing to LEED credits

Even before our products are utilized, Green Design Engineering improves the natural environment. Through the years, Profile® Products has recycled more than 5 billion pounds of wood and paper, removing it from the waste stream and returning it to the natural environment.*

Improving the Environment Through “Earth-friendly” Erosion Control

The result of Green Design Engineering is sustainable erosion control, even under harsh soil conditions and on severe slopes and channels. This serves as added peace of mind that every site keeps soil and sediment in place — while restoring or creating a natural landscape that's more aesthetically pleasing and more environmentally sustainable. Through Green Design Engineering, Profile is the industry's true 'green' solutions provider, delivering first-time, cost-effective and long-term success.



This abandoned mine sat barren for years until Profile's solutions amended the depleted soil to achieve sustainable vegetation.

* Profile Products LLC, including all subsidiaries, predecessors and acquired companies.

Technologies for Natural Solutions

Green Design Engineering™ technologies contribute to today's most effective, cost-efficient and earth-friendly erosion control solutions:

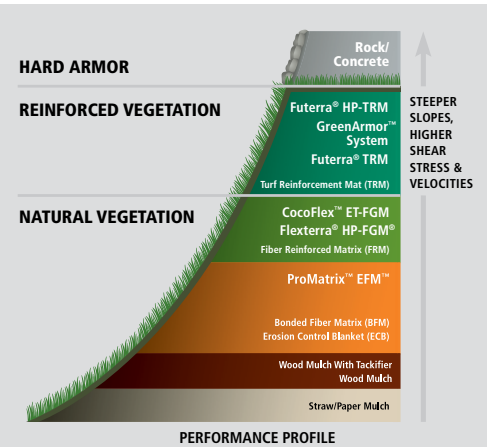
- The **GreenArmor™ System** is the most reliable vegetated alternative to hard armor.
- **Flexterra® High Performance-Flexible Growth Medium® (HP-FGM®)** sets the highest standards of erosion control and vegetation establishment of any advanced hydraulic matrix.
- **ProMatrix™ Engineered Fiber Matrix™ (EFM™)** is a superior cost-effective alternative to **Bonded Fiber Matrix (BFM)** products.
- **Profile® High Performance, Profile® HydroStraw® High Efficiency, EcoSolutions and HydroCover®** provide a hydraulic mulch solution to meet virtually any site or project parameter, from the highest-performing wood-based to the fastest-loading straw and cellulose-based mulches and every step in between.
- **ProGanics® Biotic Soil Media (BSM)** is a topsoil alternative that accelerates the development of depleted soils/substrates with low organic matter, low nutrient levels and limited biological activity. **ProGanics® DUAL™** gives you the proven soil-building benefits of ProGanics BSM, plus the best erosion control effectiveness among all combination products—all in one hydraulic application.
- A broad array of **ProPlus® Hydro Mulching Solutions** includes naturally derived tackifiers and other earth-friendly additives to enhance erosion control performance.
- Advanced **ProPlus® Prescriptive Solutions** optimize vegetation establishment with proven soil neutralizers, biostimulants and other natural soil amendments.
- Our products are **non-toxic**, passing EPA ecotoxicity testing protocol to prove they have no dangerous chemicals, heavy metals or residues that can threaten aquatic and terrestrial life, and they are **safer than netted erosion control blankets**.
- All mulch fibers and tackifiers are **biodegradable**, eliminating the introduction of foreign and potentially hazardous materials into the environment. Standard double-net rolled erosion control blankets can introduce over 11,000 water bottles-worth of plastic per acre into the environment—proven to be very dangerous to terrestrial and aquatic life.

Green Design Engineering Produces Environmental Awards

Profile's efforts to create more environmentally friendly products and sustainable best practices have been recognized by a variety of organizations globally. They include:

- **International Trade Council's Business of the Year – Legend of Manufacturing Award**
- **The Business Intelligence Group (BIG) Sustainability Awards – Sustainability Initiative of the Year Award and Sustainability Leadership Award**
- **Sustainability, Environmental Achievement and Leadership (SEAL) Awards – Environmental Initiative Award and Organization Impact Award**
- **Multiple Stormwater Solutions Top Project Awards**

Contact Profile Products online or via phone to put Green Design Engineering to work on your next project. Call **(800) 508-8681** or go to **profileproducts.com**.



Green Design Engineering™ has led to reliable, sustainable solutions for an expanding range of sites. Reinforced vegetation can now handle nearly 3 times the velocity and up to 10 times the shear stress of natural turf—conditions that were once the sole domain of hard armor.



Mechanically Stabilized Earthen (MSE) Wall: Raleigh, NC



Put it All Together

Profile Soil Solutions Software (PS³) is a web-based design and product selection tool to help you incorporate the right Green Design Engineering solution to successfully meet the erosion control and revegetation challenges on your site. Log on to **ProfilePS3.com** to see how comprehensive it is.



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