



Fuyerray[®]
F4NETLESS™

JOIN THE NETLESS™ REVOLUTION



Profile Products LLC
The World's Premier Soil Solutions Company

INTRODUCING A SUPERIOR EROSION CONTROL BLANKET

RAISING YOUR EXPECTATIONS FOR EROSION CONTROL. Profile Products LLC leads the erosion control industry by developing innovative products that perform for the professionals who specify and use them. A prime example is Futerra® Erosion Control and Revegetation Blanket. At the top of its class in minimizing soil erosion and establishing vegetation, Futerra offers unparalleled performance, ease of installation and aesthetic appeal. Nothing has been able to surpass Futerra...until now.

We are proud to announce a revolutionary new blanket. Introducing Futerra® F4 Netless™...a whole new way to look at blankets. Compared to its netted predecessor, it's lighter, yet loftier and more dimensionally stable—while providing even higher levels of slope protection and vegetative establishment for fine turf and environmentally sensitive applications.

REVOLUTIONARY DESIGN. Unlike stitch-bonded straw, coconut and excelsior blankets, Futerra blankets feature patented, thermally fused composites of wood and man-made degradable fibers that conform to the soil surface preventing washouts and seed migration. Superior technology and innovative design allow Futerra to rapidly absorb water and hold it in place for enhanced germination and growth. Futerra provides highly effective erosion control and vegetation establishment on roadside slopes, embankments, golf courses, and areas in and around wetlands or other environmentally sensitive sites. When you choose weed-free and "environmentally friendly" Futerra® F4 Netless™, there are no nets or threads to entangle plants and animals or snare maintenance equipment.

LEADING THE INDUSTRY

Profile Products LLC is the world's premier soil solutions company. We have provided leadership for more than 40 years by developing and marketing innovative products for the erosion control, sports turf, golf, consumer lawn and garden, and commercial landscape markets. Under the banner of Profile Erosion Control Solutions (PECS™), we manufacture the broadest line of erosion control products in the industry—including hydraulically applied mulches, erosion control blankets and complementary accessories.



Contractors love the lightweight, "installer friendly" F4 Netless™ rolls.

FOUR GREAT REASONS TO JOIN THE NETLESS™ REVOLUTION!

NO NETS OR THREADS

Eliminates negative environmental, aesthetic and maintenance impacts.

FASTEST GERMINATION

F4 Netless™ excels at vegetation establishment.

SUPERIOR EROSION CONTROL

Conforms to soil to prevent rilling and seed migration.

LIGHTWEIGHT

Lightest weight blanket available and requires fewer staples. F4 Netless™ installs quickly—with less man-hours per square yard!



Futerra® has demonstrated its superiority in both field and laboratory evaluations by outperforming other rolled erosion control products in preventing soil loss, reducing water runoff and delivering the highest growth establishment rates—ensuring total effectiveness.

WE KEEP THE EARTH FROM MOVING. Using comparative testing protocol developed over the past 20 years at the Utah Water Research Laboratory (UWRL), Futerra® F4 Netless™ took erosion control effectiveness ratings to unprecedented levels. Percent effectiveness compares erosion amounts of a slope treated with an erosion control device versus the same unprotected slope when subjected to rainfall events under carefully controlled conditions. Slope gradient, slope length, soil type, rainfall event and duration of event are among the parameters most commonly evaluated when comparing erosion control devices. Percent effectiveness is determined by subtracting the soil loss ratio of the treated surface versus an untreated control surface ("C" Factor) from one and multiplying by 100 percent. The tables and illustrations below document the relative performance of F4 Netless™ versus other leading erosion control blankets when evaluated under the same conditions.

SO EFFECTIVE, IT'S ALMOST PERFECT

	C-Factor ¹	Effectiveness Rating	Soil Loss/Plot ²
Futerra® F4 Netless™	0.001	99.9%	0.4 lb
Futerra®	0.003	99.7%	1.4 lb
Single-Net Straw Blanket	0.073	92.7%	28.9 lb
Single-Net Excelsior Blanket	0.075	92.5%	29.8 lb
Bare Soil Control	1.000	0.0%	397.0 lb

¹Test Conditions — UWRL Rainfall Simulator, Slope Gradient — 2.5H:1V
²Soil Type — sandy loam, Rainfall Event — 5"/hr, Test Duration — 1 hr
³Plot size 4' by 19.5'

TWICE THE VEGETATION ESTABLISHMENT OF STRAW

	Water Absorption ¹	Vegetation Establishment ²	Effectiveness Rating ³
Futerra® F4 Netless™	395%	476%	98%
Straw Blanket	308%	188%	86%

¹Test Method — ASTM D1117/ECTC Approved
²Test Method — ECTC Test Method #4
³Test Method — ECTC Test Method #2
 Futerra® F4 Netless™ is not recommended for channels exceeding 1 lb/ft² of tractive force.

NOTHING KEEPS SOIL IN PLACE BETTER



¹Soil loss/acre calculation based upon extrapolation of soil loss to a one acre site disturbance

FUTERRA: THE GERMINATOR. Futerra has been evaluated under the bench scale testing protocol developed and endorsed by the Erosion Control Technology Council (ECTC), the technical and marketing association for rolled erosion control products. Using the ECTC approved testing methods at TRI/Environmental, Inc. Futerra® F4 Netless™ demonstrated clear superiority over straw blankets.

Through its patented combination of wood fiber and crimped, interlocking man-made fibers, F4 Netless™ absorbs and holds nearly five times its weight in water—creating a moisture reservoir that ensures accelerated germination and growth. As can be observed in the adjacent table, F4 Netless™ provides greater slope erosion control effectiveness, increased water absorption and establishes vegetation faster than straw blankets. For additional technical information, go to www.netlessblanket.com.

Photo courtesy of Lucinda Dustin



MINIMIZE ENVIRONMENTAL RISKS



ELIMINATE UNSIGHTLY NETS OR THREADS



REDUCE MAINTENANCE ISSUES AND DOWNTIME

THE ULTIMATE BLANKET FOR REPLACING SOD

Futerra® has been installed on hundreds of golf courses—from public courses to some of the most prestigious facilities in the world. Additionally, Futerra is used by some of North America's largest homebuilders in lieu of sod.

- Less than half the price of installed sod—including the cost of seed and fertilizer.
- Saves installation time! It takes two men one hour to lay 6,000 square feet of Futerra versus six hours to lay the same amount of sod.
- Simplifies logistics. One truckload of Futerra® F4 Netless™ covers 5 acres—compared to a truckload of sod that only covers less than 1/4 acre.
- Allows new and improved seed varieties to be custom blended for site conditions and land use requirements.

NETLESS™—THE GREATEST BLANKET EVER

The typical erosion control blanket consists of straw, wood excelsior or coconut fibers stitched to one or two nets. The blanket's strength comes from the nets and threads. However, that strength is also a netted blanket's weakness, as they can elicit environmental, aesthetic and maintenance concerns. In fact, more specifications are calling for expensive natural fiber or rapidly degrading (UV) nets and threads.

Profile has found a way to eliminate the netting. Futerra® F4 Netless® utilizes a special process of thermally bonding wood and man-made fibers. This creates an open, flexible and dimensionally stable network of interlocking fibers that resist installation stress. You get the same great erosion control and turf establishment of a blanket—with even more benefits!

WE ELIMINATED THE NET.
SEE FOR YOURSELF—

Futerra[®] F4NETLESS[™]

BLANKETS IN BALANCE WITH NATURE

EASIER TO INSTALL

Futerra[®] blankets are the lightest blankets available, allowing for the easiest installation possible—using less man-hours per square yard. Futerra is easy to cut and shape, providing quick coverage for even the toughest landscape challenges.

NO CLEANUP REQUIRED

Futerra[®] F4 Netless[™] blankets degrade completely within one year—leaving no threads or nets to entangle wildlife, get caught in mower blades or cause hassles. As the matrix degrades, it simply becomes mulch, providing nutrients to young seedlings.

FACILITATES PHASE II COMPLIANCE



In March 2003, the more stringent NPDES Phase II regulations went into effect. This requires construction sites disturbing an area equal to or greater than one acre to control pollutants in storm water runoff. The U.S. EPA recognizes vegetated slopes and channels as highly effective Best Management Practices (BMPs) to control erosion, reduce sedimentation of waterways and to filter pollutants from storm water runoff.

FUTERRA[®] F4 NETLESS[™] PACKAGING

Roll Dimensions	Roll Area	Average Weight	Rolls/Pallet	Truckload Quantity
3.25' x 90' 1 m x 27.4 m	32.5 yd ² 27.4 m ²	10.5 lb 4.8 kg	32	24,960 yd ² 20,866 m ²
6.50' x 90' 2 m x 27.4 m	65 yd ² 54.8 m ²	20.5 lb 9.32 kg	16	24,960 yd ² 20,866 m ²

Rolls available in green or natural color. Wrapped individually in UV-resistant plastic film with printed installation guidelines. Pallets packaged in weather-resistant stretch wrap for outdoor storage.

For product specifications and additional technical or installation instructions, please visit www.netlessblanket.com.

STAKES AND STAPLES THAT NET OUT EVERY TIME

Our complete Futerra line of staples and stakes offer multiple options to anchor erosion control blankets to the ground. Biodegradable Futerra Stakes[™] are a safer, more environmentally friendly alternative for securing blankets. Futerra Staple Guns[™] and Futerra Staples[™] improve installation efficiencies while reducing labor time and costs.



Your Trusted Partner In Soil Solutions



For technical information call 1-866-325-6262. For distributor location and customer service call 1-800-366-1180.

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Futerra[®] F4 Netless[™] features a natural green color that provides a temporary finished look as the vegetation emerges. It is also available in a natural wood color.

YOU ARE LOOKING AT TOMORROW'S BLANKET—TODAY!