

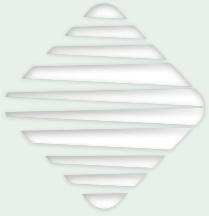
Eco Series Hydraulic Mulches

EcoAegis® • EcoMatrix™ • EcoFibre® • EcoFibre™ Plus Tackifier



P E C S™

PROFILE EROSION CONTROL SOLUTIONS



AS THE WORLD LEADER IN HYDRAULIC MULCH PRODUCTION, Profile Products has introduced product innovations and manufacturing techniques that have continually raised the standard of hydraulic mulch performance. Profile now offers the Eco line of premium hydraulic mulch as part of Profile Erosion Control Solutions (PECS™), adding yet another tool to the industry's most comprehensive collection of cutting edge erosion control and revegetation technologies. No one offers more—or better—ways to keep soil on site and establish dense vegetation faster. The Eco line is another example of that leadership.



Composition:

Thermally Processed
Wood Fibers — 88% ± 3%
Moisture Content — 12% ± 3%

Installation:

EcoFibre wood fiber mulch shall be applied at a minimum rate of 1,800 pounds per acre on flat slopes, or a minimum rate of 2,000 pounds per acre on slopes of 4H:1V.

EcoFibre®

EcoFibre® premium wood fiber mulch covers the same area with 20-30% less product than cellulose mulches due to our 100% Thermally Refined® wood fibers. EcoFibre has a non-toxic, green color added to assist in even application and allow it to blend in with the environment. EcoFibre initially protects seeds and enhances germination—and continues making a difference by decomposing into carbon dioxide, water and organic matter to further aid plant development.

EcoFibre features:

- Longest fibers available
- Easy mixing
- Great performance with tanks or hoses
- Better matting ability
- No clumping or crusting
- More moisture holding capacity
- Best soil bond to help prevent vegetation failure and callbacks



Composition:

Thermally Processed
Wood Fibers — 85% ± 3%
Moisture Content — 12% ± 3%
Hydro-Colloid Polymer Binder — 3% ± 0.5%

Installation:

EcoFibre Plus Tackifier wood fiber mulch shall be applied at a minimum rate of 1,800 pounds per acre on flat slopes, or a minimum rate of 2,500 pounds per acre on slopes of 3H:1V.

EcoFibre™ Plus Tackifier

EcoFibre™ Plus Tackifier is designed to provide extra protection on difficult sites where slopes, soil conditions or weather call for extra erosion control ability. It offers all the advantages of our EcoFibre™ 100% Thermally Refined® wood fiber mulch, plus a high-strength polymer binder to ensure a smooth hydroseeding operation.

EcoFibre Plus Tackifier Features:

- Pre-blended, evenly dispersed, no extra bags
- Consistent, high-quality mixture
- No irritating tackifier dust clouds
- Quick dispersion in water
- Blends smoothly with seed and fertilizer
- Extra lubricity to the mixture, prevents clogging

Field tests consistently confirm that tackifiers perform better with wood mulch. The long fibers of EcoFibre Plus Tackifier mesh together, interlocking to one another and to the soil. While the tackifier improves the holding power, there's no risk of a paper-mache effect.

EcoFibre Plus Tack consists of premium wood fibers, a natural guar gum tackifier and a non-toxic green colorant to aid in metering.

An environmentally superior product, our mulch protects soil and enhances seed germination; then decomposes over time to carbon dioxide, water and organic matter to further aid in plant development.



Wood fibers magnified 45 times



Thermally Refined®



Atmospherically Refined

Get More Build Out of Every Eco Bag

Profile's Thermally Refined® wood fibers maximize coverage and performance. You need many more bales of competitive mulch to equal the coverage and performance of Eco brand mulch. Wood fiber in Eco Series hydraulic mulch is Thermally Refined® in a pressurized vessel which produces more surface area to hold 12 times its weight in water and promote faster, more complete germination. Our processing technology produces fibers that hold 50% more water than competitive wood fiber products. Their atmospherically refined wood fiber simply doesn't provide as much coverage per bag as the Eco line.

Thermally Refined Fiber means:

- Fewer bales of mulch to handle and load
- Fewer callbacks due to washouts or poor turf establishment
- Less down time from coarse fiber clogging hoses
- Easier shooting and more uniform distribution of fiber, helping you cover more ground more quickly

EcoMatrix™

A one-step, hydraulically-applied Stabilized Mulch Matrix (SMM) erosion control system, EcoMatrix™ is formulated to hold soil in place immediately upon application, even during the drying and curing stage. It is designed for use on pads and slopes from flat to a maximum grade of 2H:1V.

EcoMatrix is pre-mixed for maximum wet strength. Our blending process ensures the additives are uniformly mixed in the fiber.

EcoMatrix consists of superior, long wood fibers, non-toxic bonding

agents and soil stabilizers that form a protective mat. It is sprayed on like a hydromulch, allowing the wood fibers to naturally interlock, and when dry, the matrix forms a porous, breathable, erosion-resistant mat that completely biodegrades over time. To resist dispersion and leaching from rain, the bonding compounds are cross-linked; thus, mat integrity is strong and provides excellent erosion protection for a period of three to six months. Simply put, EcoMatrix is designed to save you soil and money.



Composition:

Thermally Processed Wood Fibers – 83% ± 4%
 Proprietary Crosslinked Hydro-Colloid Based Polymer Tackifier – 5% ± 1%
 Moisture Content – 12% ± 3%

SLOPE GRADIENT/ CONDITION	USAGE AMOUNT
≤ 4H to 1V	2,000 lb/ac
> 4H to 1V and ≤ 3H to 1V	2,500 lb/ac
> 3H to 1V and ≤ 2.5H to 1V	3,000 lb/ac
> 2.5H to 1V and ≤ 2H to 1V	3,500 lb/ac

Consult comprehensive CSI formatted SMM specification for additional details.

EcoAegis®

EcoAegis® is a Bonded Fiber Matrix (BFM) that sprays on like a mulch, but dries to form a porous, breathable and water insoluble mat that bonds firmly with the soil, prevents erosion and saves time and money.

EcoAegis Features:

- Easy to mix
- Easy to apply, no cavitation
- No tenting or rilling
- No staples or stakes
- Does not hurt wildlife or fish

EcoAegis combines the low cost and ease of application of hydroseeding, the protection of a blanket and the advantages of a mulch. Our mat protects seeds and enhances germination; then it slowly decomposes over time into carbon dioxide and organic matter to further aid in plant development. Its protection of seed and soil lasts for a period of 6 to 12 months, giving vegetation time to establish and take hold for long-term slope stabilization.



Composition:

Thermally Processed Wood Fibers – 79.5% ± 2.5%
 Proprietary Crosslinked Tackifier – 10% ± 1%
 Moisture Content – 10.5% ± 1.5%

SLOPE GRADIENT/ CONDITION	USAGE AMOUNT
≤ 3H to 1V	3,000 lb/ac
> 3H to 1V and ≤ 2H to 1V	3,500 lb/ac
> 2H to 1V and ≤ 1H to 1V	4,000 lb/ac
Below ECB or TRM	1,500 lb/ac
As infill for TRM	3,500 lb/ac

Consult comprehensive CSI formatted BFM specification for additional details.



P E C S™

PROFILE EROSION CONTROL SOLUTIONS

Comprehensive, Customized Solutions for Your Site

Profile Erosion Control Solutions (PECS™) combines the industry's most comprehensive assortment of erosion and sediment control technologies and innovative Green Design Engineering™ to help you maximize erosion control and vegetation establishment on slopes, channels, shorelines, fine turf areas and environmentally sensitive sites. Our dedicated team of erosion control and agronomic experts will work with you to analyze your soil conditions to create and implement a complete solution, utilizing a range of proven Profile products.

PECS IS A UNIQUE, FULLY INTEGRATED APPROACH TO YOUR SITE, INCLUDING:

- IN THE GROUND** Agronomic solutions that promote rapid seed germination and long-term vegetation establishment.
- ON THE GROUND** Innovative products that prevent erosion on slopes, channels, shorelines, streambanks and wetlands while minimizing risk to the environment.
- BY YOUR SIDE** Green Design Engineering ensures unfailing support from agronomic and erosion control experts, to help select and install the right products for maximum results.

**For all the details, contact Profile Products at 1-800-508-8681
or visit www.profile-eco.com.**



Your Trusted Partner In Soil Solutions

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