

# **Profile**<sup>®</sup> | High Performance Mulch

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**WOOD • CELLULOSE • BLEND**



*Solutions for your Environment*

# From the Leading Environmental Solutions Company

**Profile® Products is proud to introduce a complete line of wood and cellulose mulch products—Profile® High Performance Mulch.**

For decades, Profile has defined the erosion control industry, delivering revolutionary Hydraulically applied Erosion Control Product (HECP) and biotic soil technologies, such as Flexterra® High Performance-Flexible Growth Medium® (HP-FGM®), ProMatrix™ Engineered Fiber Matrix™ (EFM™) and ProGanics® Biotic Soil Media™ (BSM™). Following in their legacy, we are now bringing you our proprietary Thermally Refined® wood fiber and clean cellulose fiber mulches as a unified family of products. Every mulch product is specifically designed to deliver the highest level of performance in its respective category.

If your site doesn't require advanced HECP formulations, Profile High Performance Mulch has an effective solution to help you finish the job right.



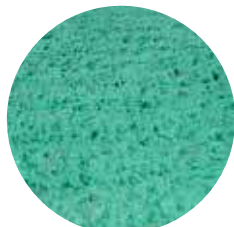
*Solutions for your Environment™*



# Superior Fibers are the Foundation for Superior Mulches

Not all mulches are created equal. To deliver you the highest performance wood and wood-blend products possible, we start with 100% recycled virgin wood chips that are Thermally Refined® in a process that creates finer, longer and more absorbent wood fibers. These engineered fibers are the foundation of Profile's superior quality.

**Thermally Refined® Wood Fibers**



*Greater coverage and loft*

**Atmospherically Refined Wood Fibers**



The photos above illustrate the 30% yield advantage of Thermally Refined wood fibers. Both bowls contain 14 grams and were applied at the same rate.

Profile® High Performance Mulch is simply the best.

**Better Coverage:** Engineered fibers give you dramatically more surface area, along with improved loft, coverage and interlock.

**Faster Germination and Establishment:**

Unlike competitive mulches, our fibers provide higher water-holding capacity to enhance germination and growth establishment.

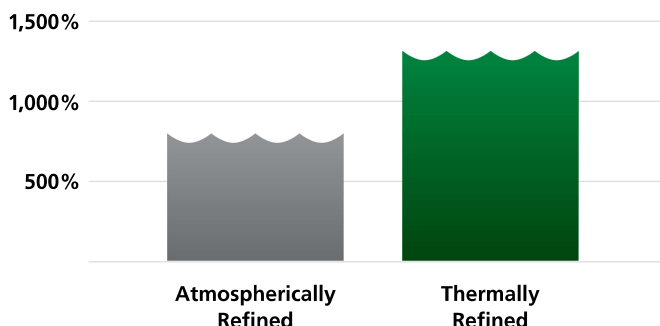
**Greater Productivity:** Fewer clogs. Better shooting distance. More uniform coverage. Our specially designed fibers let you get more done with less effort and less time wasted.

**Better for the Environment:** Through the years, Profile® Products has recycled over four billion pounds of wood and paper, removing them from the waste stream, then reintroducing them to the enrichment of the natural environment.

## Putting Thermally Refined Wood Fibers to the Test

Thermally Refined wood fibers provide significantly more surface area which generates greater yield, loft and coverage, compared to the coarser and shorter fibers produced from atmospherically refining the wood.

### WATER-HOLDING COMPARISON TYPICAL ANALYSIS



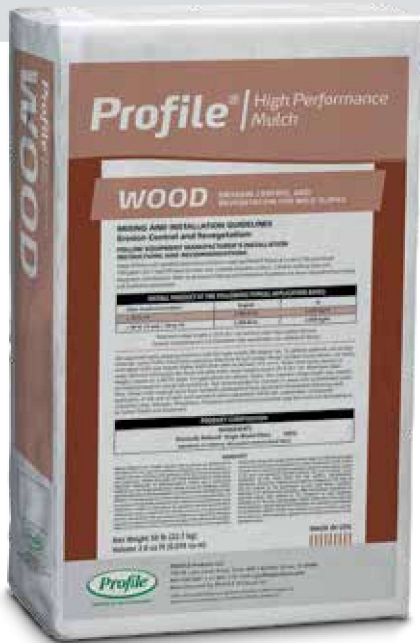
*Fibers magnified 45 times by independent lab specializing in fiber analysis*

Competitive wood fiber mulches typically use an atmospheric refining process, which creates shorter, coarser fibers with minimal interlock and loft. This significantly impacts yield, coverage and water-holding capacity.

## Profile® High Performance Mulch

# WOOD

Wood Fiber Mulch with Tackifier is the lineup's best choice for erosion control on moderate slopes up to 30 ft (9.1 m) in length. Wood Fiber Mulch is effective for revegetation on slopes up to 20 ft (6.1 m) in length.



Profile® Wood mulch delivers category-leading erosion control and growth establishment with the proven and effective fibers found inside every bag.

Profile Wood with Tackifier contains naturally derived high-viscosity colloidal polysaccharides for increased binding capabilities and more uniform coverage.

### TECHNICAL DATA:

#### COMPOSITION

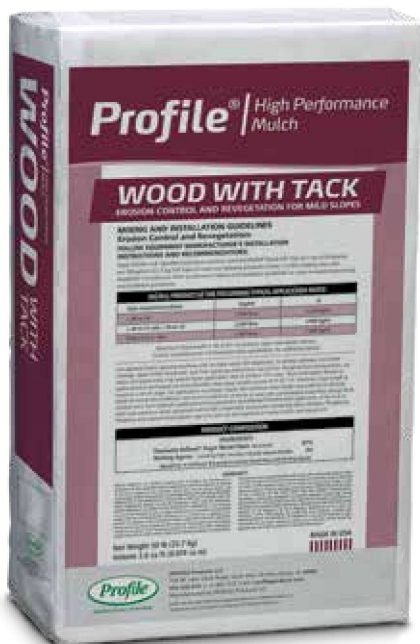
**Wood Fiber Mulch:**  
100% Thermally Refined®  
Virgin Wood Fibers

**Wood Fiber Mulch with Tackifier:**  
97% Thermally Refined®  
Virgin Wood Fibers  
3% Tackifier from High-Viscosity  
Colloidal Polysaccharides

#### PACKAGING

**Bags:** Net Weight – 50 lb  
(22.7 kg) UV- and weather-  
resistant plastic film

**Pallets:** 40 bags/pallet;  
1 ton (907 kg)/pallet;  
Weather-proof, stretch-wrapped  
with UV-resistant pallet cover



#### SLOPE GRADIENT/CONDITION

≤ 4H:1V  
> 4H:1V and ≤ 3H:1V

#### APPLICATION RATE

2,000 lb/ac (2,240 kg/ha)  
2,500 lb/ac (2,800 kg/ha)

## Profile® High Performance Mulch

# BLEND

Profile's Blend and Blend with Tackifier mulch products satisfy different preferences and work well in a variety of machine types. They're great for revegetation on mild slopes up to 20 ft (6.1 m) in length.



Get the best blend for your buck. Profile® Blend combines Thermally Refined® wood fibers with “best in class” cellulose fibers. While easy to mix, it delivers up to 15% greater coverage when compared to competitive blend products with enhanced water-holding capacity. The results are better germination, fewer washouts and reduced callbacks.

Profile Blend with Tackifier contains naturally derived high-viscosity colloidal polysaccharides to boost performance.

### TECHNICAL DATA:

#### COMPOSITION

**Wood/Cellulose Blend:**  
70% Thermally Refined®  
Virgin Wood Fibers  
30% Cellulose Fibers

**Wood/Cellulose Blend  
with Tackifier:**  
67% Thermally Refined®  
Virgin Wood Fibers  
30% Cellulose Fibers  
3% Tackifier from High-Viscosity  
Colloidal Polysaccharides

#### PACKAGING

**Bags:** Net Weight – 50 lb  
(22.7 kg) UV- and weather-  
resistant plastic film

**Pallets:** 40 bags/pallet;  
1 ton (907 kg)/pallet;  
Weather-proof, stretch-wrapped  
with UV-resistant pallet cover



#### SLOPE GRADIENT/CONDITION

≤ 4H:1V  
> 4H:1V and ≤ 3H:1V

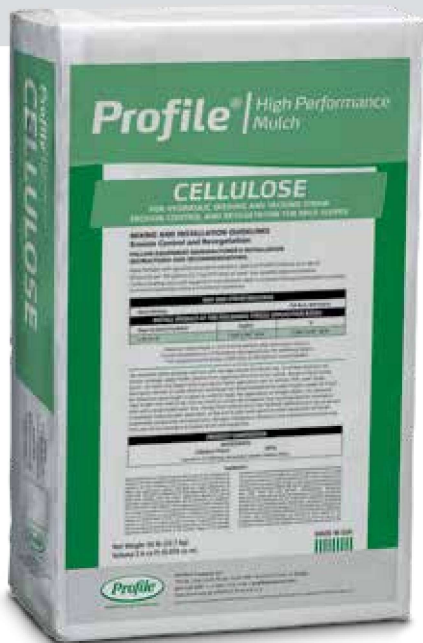
#### APPLICATION RATE

2,000 lb/ac (2,240 kg/ha)  
2,500 lb/ac (2,800 kg/ha)

## Profile® High Performance Mulch

# CELLULOSE

General seeding on mild slopes up to 15 ft (4.6 m) in length is appropriate for our Cellulose and Cellulose with Tackifier mulch products. Cellulose with Tackifier is also popular for straw tacking.



Expect more from the cleanest, most consistent cellulose mulch available. Profile® Cellulose is made with 100%, Grade-A recycled paper and is metered throughout the creation process to ensure our stringent standards and quality control processes are met.

Profile Cellulose with Tackifier comes pre-blended with a natural tackifier to minimize potential seed washout and erosion.

### TECHNICAL DATA:

#### COMPOSITION

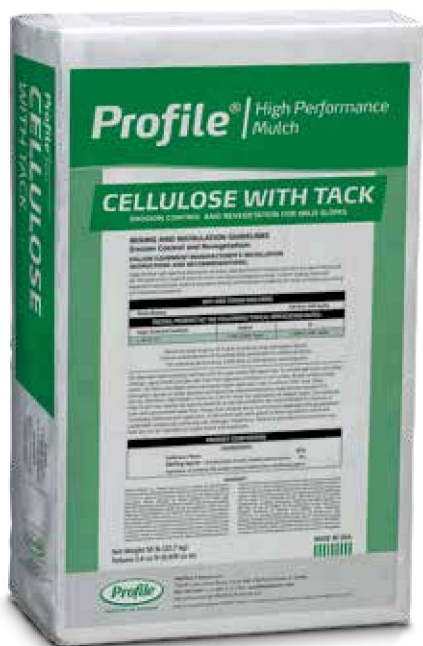
**Cellulose Mulch:**  
100% Recycled  
Cellulose Fibers

**Cellulose Mulch  
with Tackifier:**  
97% Recycled Cellulose Fibers  
3% Tackifier from High-Viscosity  
Colloidal Polysaccharides

#### PACKAGING

**Bags:** Net Weight – 50 lb  
(22.7 kg) UV- and weather-  
resistant plastic film

**Pallets:** 40 bags/pallet;  
1 ton (907 kg)/pallet;  
Weather-proof, stretch-wrapped  
with UV-resistant pallet cover



#### SLOPE GRADIENT/CONDITION

≤ 4H:1V

#### APPLICATION RATE

1,500 – 2,000\* lb/ac  
(1,680 – 2,240\* kg/ha)

\* For maximum performance, 2,000 lb/ac (2,240 kg/ha) is recommended.

PRODUCT	APPLICATION	CONDITIONS	CONTINUOUS MAX. SLOPE LENGTH* (without slope interruption devices)	SLOPE	APPLICATION RATE lb/ac (kg/ha)
Wood Fiber Mulch with Tackifier	Erosion Control/Revegetation	Moderate	30 ft (9.1 m)	≤ 4H:1V > 4H:1V and ≤ 3H:1V	2,000 (2,240) 2,500 (2,800)
Wood Fiber Mulch	General Seeding/Revegetation	Moderate	20 ft (6.1 m)	≤ 4H:1V > 4H:1V and ≤ 3H:1V	2,000 (2,240) 2,500 (2,800)
Wood/Cellulose Blend with Tackifier	General Seeding/Revegetation/ Straw Tacking	Mild	20 ft (6.1 m)	≤ 4H:1V > 4H:1V and ≤ 3H:1V	2,000 (2,240) 2,500 (2,800)
Wood/Cellulose Blend	General Seeding/Revegetation	Mild	15 ft (4.6 m)	≤ 4H:1V > 4H:1V and ≤ 3H:1V	2,000 (2,240) 2,500 (2,800)
Cellulose with Tackifier	General Seeding/Revegetation/ Straw Tacking	Mild	15 ft (4.6 m)	≤ 4H:1V	1,500-2,000 (1,680-2,240)
Cellulose	General Seeding/Revegetation	Mild	15 ft (4.6 m)	≤ 4H:1V	1,500-2,000 (1,680-2,240)

Note: Using less than 2,000 pounds per acre (2,240 kg/ha) may compromise performance and results. For applications on steeper slopes, the maximum slope length may need to be reduced based on actual site conditions.

## Test Your Soil

Healthy soil is required to support and nurture vegetation. Once vegetation is established in healthy soil, it can grow and flourish through nutrient cycling.

You can work toward building the proper soil composition to promote nutrient cycling once you understand and correct current soil deficiencies.



## Profile Soil Solutions Software



PS<sup>3</sup> gives you access to free soil testing and helps walk you through the process of proper soil sampling techniques. Send us your sample and you'll receive a comprehensive analysis detailing the site's soil characteristics.

Get recommendations on what amendments, plant species and erosion control measures may be necessary to correct, improve and protect the soil to establish sustainable vegetation. To get started, visit [ProfilePS3.com](http://ProfilePS3.com).

**Spec Builder™**  
[ErosionControlSpecs.com](http://ErosionControlSpecs.com)

### The Ultimate Specification Builder

Now you can create erosion control and revegetation specifications in minutes. With intuitive step-by-step instructions, this free and easy-to-use online tool delivers customizable, always up-to-date specifications in editable Word files. Try it today.



**ProGanics®**  
BIOTIC SOIL MEDIA™



# The World's Most Advanced Engineered Soil Media™

**ProGanics® Biotic Soil Media™ (BSM™)** is designed as an alternative to topsoil and compost on sites not conducive to seed germination and plant growth. ProGanics will accelerate development of depleted soils/substrates with low organic matter, low nutrient levels and limited biological activity. This Engineered Soil Media™ (ESM™) helps build healthy soils for accelerated vegetative establishment and more effective erosion control.



### Ensure Success

ProGanics helps soils reach their full potential anywhere it's needed — on top of bare ground or under erosion control blankets, straw, hydraulic mulch or even sod.

### Get the Best

The proprietary ProGanics formulation, which includes a patented Biological Soil Nutrient System, outperforms other biotic amendments and is a proven alternative to topsoil and compost.

### Save Time and Money

Hydraulically applied for quick and cost-effective installation versus truckloads of topsoil or compost.

Replace your costly compost or topsoil, increase your productivity and promote sustainable vegetation.  
**Use ProGanics and be confident the job has been done right.**



### PROFILE Products LLC

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U.S. Patents: 7,854,926; 8,728,460; 10,266,457 | Canada Patent: 2,616,578

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