



# Application Guide for Profile® High Efficiency Blend (HE Blend) & High Efficiency Blend with Tack

Profile High Efficiency Blend is mixed at a rate of 60 pounds per 100 gallons of water for hose work or 75 pounds per 100 gallons for tower work

## Application / Loading Procedures

- A. Strictly comply with equipment Manufacturer's installation instructions and recommendations.** Use approved hydro-spraying machines with the appropriate nozzle whenever possible to achieve the best soil coverage. Apply from opposing directions to assure uniform soil surface coverage.
- B.** To ensure proper application rates, measure and stake area.
- C.** Fill 1/3 of mechanically agitated hydroseeder with water. Turn pump on for 30-60 seconds to purge and pre-wet lines. Turn pump off.
- D.** Turn agitator on at a moderate speed, open recirculation valve and load low density materials first (i.e. seed and Prescriptive Solutions).
- E.** Continue slowly filling tank with water while loading HE Blend at a rate of 60 pounds per 100 gallons of water (27.2 kg/379 liters) for hose work or 75 pounds per 100 gallons of water (34 kg/379 liters) for tower work.
- F.** Consult loading chart on the back page to determine the number of bags to be added for desired area and application rate.<sup>1</sup>
- G.** HE Blend or HE Blend with Tack should be completely loaded before water level reaches 75% of the top of tank.
- H.** Add fertilizer and other high density materials as water level approaches the top of the tank.
- I.** Top off with water and mix until HE Blend or HE Blend with Tack is fully broken apart and hydrated (minimum of 10 minutes — increase mixing time when applying in cold conditions). It is very important to fully hydrate the mulch and activate the bonding additives to obtain proper viscosity.
- J.** Shut off recirculation valve to minimize potential for air entrainment within the slurry.
- K.** Slow down agitator(s) to minimum speed and start applying with an appropriate nozzle.
- L.** Spray in opposing directions for maximum soil coverage.
- M.** Upon completion of application, return immediately to water source to repeat mixing and application sequence or to flush equipment. Be sure to thoroughly purge pump and all lines of residual material from previous load.

Apply HE Blend or HE Blend with Tack as directed above being sure to include all Prescriptive Solutions, fertilizer and seed at their recommended rates. For additional assistance, go to **ProfilePS3.com**.

<sup>1</sup> Best results and more rapid drying are achieved at temperatures exceeding 60°F (15°C). Drying times may be accelerated in high temperature, low humidity, and windy conditions with product applied on dry soils.

## Hose Application

Profile® HE Blend and HE Blend with Tack Coverage Table											
Tank Size (gal)	# of 50-lb bales	lb	kg	2,000 lb/ac		2,240 kg/ha		2,500 lb/ac		2,800 kg/ha	
				Sq ft	Acres	Sq m	Hectares	Sq ft	Acres	Sq m	Hectares
300	3.6	180	82	3,920	0.09	364	0.04	3,136	0.07	292	0.03
600	7.2	360	163	7,841	0.18	729	0.07	6,273	0.14	583	0.06
800	9.6	480	218	10,454	0.24	972	0.10	8,364	0.19	778	0.08
1,100	13.2	660	299	14,375	0.33	1,336	0.13	11,500	0.26	1,069	0.11
1,500	18.0	900	408	19,602	0.45	1,822	0.18	15,682	0.36	1,458	0.15
3,000	36.0	1,800	816	39,204	0.90	3,645	0.36	31,363	0.72	2,916	0.29
4,000	48.0	2,400	1,089	52,272	1.20	4,860	0.49	41,818	0.96	3,888	0.39

## Tower Application

Profile® HE Blend and HE Blend with Tack Coverage Table											
Tank Size (gal)	# of 50-lb bales	lb	kg	2,000 lb/ac		2,240 kg/ha		2,500 lb/ac		2,800 kg/ha	
				Sq ft	Acres	Sq m	Hectares	Sq ft	Acres	Sq m	Hectares
300	4.5	225	102	4,901	0.11	456	0.05	3,920	0.09	364	0.04
600	9.0	450	204	9,801	0.23	911	0.09	7,841	0.18	729	0.07
800	12.0	600	272	13,068	0.30	1,215	0.12	10,454	0.24	972	0.10
1,100	16.5	825	374	17,969	0.41	1,671	0.17	14,375	0.33	1,336	0.13
1,500	22.5	1,125	510	24,503	0.56	2,278	0.23	19,602	0.45	1,822	0.18
3,000	45.0	2,250	1,021	49,005	1.13	4,556	0.46	39,204	0.90	3,645	0.36
4,000	60.0	3,000	1,361	65,340	1.50	6,075	0.61	52,272	1.20	4,860	0.49

## Application Rates

Slope Gradient/ Condition	Lb/Acre	Kg/Hectare
≤ 4H to 1V	2,000 lb/ac	2,240 kg/ha
> 4H to 1V and ≤ 3H to 1V	2,500 lb/ac	2,800 kg/ha



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**Profile®** | High Efficiency Mulch

HEB-03 02/24



**Bowman**  
Construction  
Supply Inc.



**Quick**  
Supply Co.



**Cascade**  
GEOSYNTHETICS

## LOCATIONS & CONTACT INFO

### ASP ENTERPRISES

aspent.com  
salesasp@aspent.com

### BOWMAN CONSTRUCTION SUPPLY

bowmanconstructionsupply.com  
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### QUICK SUPPLY CO.

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salesquick@quicksupplyco.com

### CASCADE GEOSYNTHETICS

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**St. Louis, MO** 636.343.4357  
**Omaha, NE** 402.861.8579  
**Kansas City, MO** 816.554.1191  
**Wichita, KS** 316.393.1554

**Denver, CO** 303.696.8960  
**Colorado Springs, CO** 719.257.7840  
**Loveland, CO** 970.535.0863

**Des Moines, IA**  
515.289.1271

**Portland, OR**  
971.339.1020

## SOLUTIONS WE SUPPLY

### GEOSYNTHETICS

Filter Fabrics

Stabilization Fabrics

Geogrids

- Road Grids
- Wall Grids
- Slope Stabilization

Specialty Fabrics

Composite Geomembranes

- GCLs, PVC, HDPE, LLDPE, EPDM, Granular Bentonite

### SEDIMENT CONTROL

Inlet Protection

- Grated Inlet, Curb Inlet, Area Inlet Protection

Ditch Checks

- Triangle Silt Dike
- GeoRidge

Perimeter Protection

- High and Low-Porosity Silt Fence, Straw Wattles, Silt Socks
- Safety Fence

Flocculants & Water Treatment

- Polymer-Based & Natural Flocculants

Sediment Basin Skimmers

Dewatering Bags

Trackout Control

- FODS
- Rumble Grates

Turbidity Curtains

### EROSION CONTROL

Basic Hydraulically Applied Mulches

- Wood
- Paper
- Blends
- Straw

High-Performance Hydraulically

Applied Products

- BFM
- FGM
- Additives & Tackifiers

Temporary Erosion Control Blankets

- Coir & Jute Mat/Nettings
- Short-Term ECBs
- Extended-Term ECBs

Permanent Erosion Control Blankets

- Turf Reinforcement Mats
- HP-TRMs
- Anchor Reinforced Vegetation System

Structural BMPs

- Transition Mats
- Geoweb Cellular Confinement
- Composite Vegetated Armor System
- Flex MSE Vegetated Wall System
- Articulated Concrete Block
- Gabions
- Grout-Filled Geotextile Mats

Vegetation Establishment

- Native Seed & Turf Seed
- Fertilizers
- Organic Soil Additives
- Stratavault Soil Cells

### STORMWATER MANAGEMENT

Water Quality

- Inlet Filter Boxes
- Pre-Treatment Chamber
- Nutrient Separating Baffle Boxes
- High-Flow Biofiltration Media
- Hydrodynamic Separators
- Stratavault

Water Quantity

- Modular Underground Storage Systems
- Chamber Detention Systems

Drainage

- HDPE Swale Liner
- Pipe & Fittings
- Drainage Composites
- Strip Drain

Inlet Structures

- PVC
- Drain Basins, In-Line Drains
- Landscape

Permeable Pavers

- Permeable Articulating Concrete Block
- Grass Pavers
- Gravel Pavers
- Concrete Pavers

### SPECIALTY

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