



## MATERIAL SPECIFICATIONS AEC PREMIER STRAW/COCONUT™ HIGHWAY ROLLS

### Materials:

70% Agricultural Straw (certified weed seed free)  
30% Coconut  
Polypropylene Netting  
Stitching Thread

### Roll Sizes:

Width:	8.0 ft (2.4 m)
Length:	562.5 ft (171.5 m)
Area:	500.0 yd <sup>2</sup> (418.1 m <sup>2</sup> )
Weight:	250.0 lb (113.5 kg)

### Description:

AEC Premier Straw/Coconut Highway Rolls are mechanically-installed, stitched straw/coconut blended erosion control blankets (ECB) that provide a temporary organic cover to reduce erosion, protect seeds, enhance germination, and hasten re-vegetation. AEC Premier Straw/Coconut Highway Rolls significantly speed up the unrolling process. AEC Premier Straw/Coconut Highway Rolls are furnished in rolls with polyethylene wrapping and a 4 in cardboard core for mechanical installation. AEC Premier Straw/Coconut Highway Rolls shall be manufactured in the U.S.A.

AEC Premier Straw/Coconut Highway Rolls has a design soil loss ratio (event-based RUSLE C factor) of .15 and is typically suitable for slopes up to 1.5H:1V<sup>a</sup>. AEC Premier Straw/Coconut Highway Rolls are rated for channel flows up to 8.5 ft/s (2.6 m/s) and 2.0 lb/ft<sup>2</sup> (96 Pa) shear stress.

<sup>a</sup> Slope steepness is dependent on the safe operating limits of the installation equipment. Refer to equipment safety manual.

### Physical Properties:

Fiber:	70% Agricultural Straw (certified weed seed free), 30% Coconut
Fiber Size:	75% of straw fibers a minimum of 4 in (10.2 cm) long
Weight <sup>b</sup> :	0.50 lb/yd <sup>2</sup> (0.27 kg/m <sup>2</sup> ) ± 10%
Thread Pattern:	No more than 2.0 in (5.1 cm) transverse stitch spacing
Net Material:	Top - Polypropylene (HV black with oxo-biodegrader and UV degrader additives) Bottom - Polypropylene (green with oxo-biodegrader and UV degrader additives)
Net Openings:	Top - 0.75 in wide x 0.75 in long (19.1 mm x 19.1 mm) Bottom - 0.5 in wide by 0.5 in long (12.7 mm x 12.7 mm)
Net Configuration:	Top and bottom

<sup>b</sup> Weight is based on a dry fiber weight basis at time of manufacture. Baseline moisture content of AEC Premier Straw and AEC Premier Coconut fibers are 15% and 20%, respectively.





**MANUFACTURER'S CERTIFICATION**  
**AEC PREMIER STRAW/COCONUT™ HIGHWAY ROLLS**  
**Erosion Control Blanket**

**Manufacturer:**

American Excelsior Company  
831 Pioneer Avenue  
Rice Lake, WI 54868  
1-866-9FIBERS (1-866-934-2377)

**Project Information (if applicable):**

**Name:**

**Location:**

**Number:**

**Statement**

We hereby certify that the above referenced material is manufactured to meet or exceed the following specification:

Fiber:	70% Agricultural Straw (certified weed seed free) 30% Coconut
Fiber Size:	75% of straw fibers a minimum of 4 in (10.2 cm) long
Blanket Length:	-0 ft (m), + 5% (upon application)
Blanket Width:	-0 in (mm) + 1.0 in (25.4 mm)
Weight <sup>b</sup> :	0.50 lb/yd <sup>2</sup> (0.27 kg/m <sup>2</sup> ) ± 10%
Thread Pattern:	No more than 2.0 in (5.1 cm) transverse stitch spacing
Net Material:	Top - Polypropylene (HV black with oxo-biodegrader and UV degrader additives) Bottom - Polypropylene (green with oxo-biodegrader and UV degrader additives)
Net Openings:	Top - 0.75 in wide x 0.75 in long (19.1 mm x 19.1 mm) Bottom - 0.5 in wide by 0.5 in long (12.7 mm x 12.7 mm)
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Rocky Van Gilder – V.P. of Wood Operations

Effective Date

**Note:** This Certification expires, without notice, if document is updated by American Excelsior Company (AEC). Current Material Specifications and Manufacturer's Certifications (MSMC) for AEC products shall be accessed from [www.Curlex.com](http://www.Curlex.com) at all times.

