



**MATERIAL SPECIFICATIONS**  
**AEC PREMIER STRAW® HIGHWAY ROLLS SINGLE NET**

**Materials:**

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

AEC Premier Straw Highway Rolls Single Net has a design soil loss ratio (event-based RUSLE C factor) of .05 and is typically suitable for slopes up to 3H:1V<sup>a</sup>. AEC Premier Straw Highway Rolls Single Net is rated for channel flows up to 4.5 ft/s (1.4 m/s) and 1.55 lb/ft<sup>2</sup> (74 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: Agricultural Straw  
Fiber Size: 80% of fibers a minimum of 3 in (7.62 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: Polypropylene (green with oxo-biodegrader and UV degrader additives or white with UV degrader additive)  
Net Openings: 0.5 in wide by 0.5 in long (12.7 mm x 12.7 mm)  
Net Configuration: Top side only

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





## MANUFACTURER'S CERTIFICATION

### AEC PREMIER STRAW® HIGHWAY ROLLS - Erosion Control Blankets

#### 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:	Agricultural Straw
Fiber Size:	80% of fibers a minimum of 3 in (7.62 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:	Polypropylene (green with oxo-biodegrader and UV degrader additives or white with UV degrader additive)
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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 Manufacture's Certifications (MSMC) for AEC products shall be accessed from [www.Curlex.com](http://www.Curlex.com) at all times.

