

## MATERIAL SPECIFICATIONS

### AEC PREMIER STRAW® HIGHWAY ROLLS DOUBLE NET

#### Materials:

Certified Weed Seed Free 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 Double 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 Double Net significantly speed up the unrolling process. AEC Premier Straw Highway Rolls Double Net are furnished in rolls with polyethylene wrapping and a 4 in cardboard core for mechanical installation. AEC Premier Straw Highway Rolls Double Net shall be manufactured in the U.S.A.

AEC Premier Straw Highway Rolls Double Net has a design soil loss ratio (event-based RUSLE C factor) of .05 and is typically suitable for slopes up to 2H:1V<sup>a</sup>. AEC Premier Straw Highway Rolls Double Net is rated for channel flows up to 7.0 ft/s (2.1 m/s) and 1.75 lb/ft<sup>2</sup> (84 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:                | Certified Weed Seed Free Agricultural Straw   |
| Fiber Size:           | 75% of 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:         | 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 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 fibers is 15%.





**MANUFACTURER'S CERTIFICATION**  
**AEC PREMIER STRAW® HIGHWAY ROLLS DOUBLE NET**  
**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:                | Certified Weed Seed Free Agricultural Straw   |
| Fiber Size:           | 75% of 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:         | 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)  |
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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.

