



EROSION CONTROL
TECHNOLOGY COUNCIL
ESTD: 1992
DIRECTING MEMBER



MATERIAL SPECIFICATIONS

AEC PREMIER STRAW/COCONUT™ HIGHWAY ROLLS

Materials:

70% Agricultural Straw
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 ² (418.1 m ²)
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^a. 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/ft² (96 Pa) shear stress.

^a Slope steepness is dependent on the safe operating limits of the installation equipment. Refer to equipment safety manual.

Physical Properties:

Fiber:	70% Agricultural Straw, 30% Coconut
Fiber Size:	80% of straw fibers a minimum of 3 in (7.62 cm) long
Weight ^b :	0.50 lb/yd ² (0.27 kg/m ²) ± 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

^b 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, 30% Coconut
Fiber Size:	80% of straw 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 ^b :	0.50 lb/yd ² (0.27 kg/m ²) ± 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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^b 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.

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 at all times.

