



MATERIAL SPECIFICATIONS

E-Staple®

Materials:

100% Biodegradable Resins

Dimensions:

4.0 in (10.2 cm) long with a 1.0 in (2.5 cm) wide U-shaped head and anchoring ears
6.0 in (15.2 cm) long with a 1.0 in (2.5 cm) wide U-shaped head and anchoring ears

Description:

American Excelsior Company provides E-Staples, 100% biodegradable staples, that may be utilized to anchor erosion control blankets (ECBs) and sod. Ideally, E-Staples should be installed with Curlex® NetFree™ for a 100% biodegradable erosion control and revegetation system, but E-Staples are suitable for all degradable ECBs. Product-specific Staple Pattern Guides shall be followed when anchoring ECBs.

Unique E-Staples are resistant to humidity, which means they will not soften during storage. In addition, E-Staples compost and biodegrade in cold to hot ground conditions. E-Staples have been tested in accordance to ASTM biodegradation standards.

Use the E-Staple applicator gun for best results in hard soil. E-Staples are available in boxes of 1,000 staples per box.

Physical Properties:

Material:	100% Biodegradable Resins
Weight:	4 in: 0.19 oz (5.4 g) ± 10 % 6 in: 0.26 oz (7.4 g) ± 10 %
Leg Length:	4 in (10.2 cm) ± 10% 6 in (15.2 cm) ± 10%
Number of Legs:	One per Staple
Diameter:	0.5 in (1.3 cm) ± 10%
Head Configuration:	U-Shaped
Head Width:	1.0 in (2.5 cm) ± 10%
Anchoring Ear Length:	1.0 in (2.5 cm) ± 10%
Number of Ears:	Two per staple head





MANUFACTURER'S CERTIFICATION
E-Staple® – Biodegradable Anchoring Device

Provider:

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:

Material:	100% Biodegradable Resins
Weight:	4 in: 0.19 oz (5.4 g) ± 10 % 6 in: 0.26 oz (7.4 g) ± 10 %
Leg Length:	4 in (10.2 cm) ± 10% 6 in (15.2 cm) ± 10%
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Diameter:	0.5 in (1.3 cm) ± 10%
Head Configuration:	U-Shaped
Head Width:	1.0 in (2.5 cm) ± 10%
Anchoring Ear Length:	1.0 in (2.5 cm) ± 10%
Number of Ears:	Two per staple head

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Tony Johnson – General Manager, Rice Lake

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.

