AEC Premier Straw® Wattles

Straw Sediment Control Device

American Excelsior Company's AEC Premier Straw Wattles are tubular products consisting of the finest available agricultural straw fibers encased in durable netting. The straw fibers are certified weed seed free. Straw wattles are dense by nature, thus they pool water unlike Curlex® Sediment Logs® that allow water to filter through its porous matrix. AEC Premier Straw wattles may be placed across channels bottoms, but their primary use is on hillslopes to break up slope lengths and slow overland flow.

Material Characteristics

AEC Premier Straw Wattles consist of the finest weed seed free agricultural straw fibers encased in durable netting. AEC Premier Straw Wattles are available wrapped on pallets for mechanical unloading.

Product Name/Nominal Diameter	9.0 in	12.0 in	20.0 in
Minimum Diameter	8.5 in (21.6 cm)	11.5 in (29.2cm)	19.0 in (48.3 cm)
Length (± 10%)	25.0 ft (7.6 m)	10.0 ft (3.1 m)	10.0 ft (3.1 m)
Weight (± 10%)	50.0 lb (22.7 kg)	30.0 lb (13.6 kg)	60.0 lb (27.2 kg)
Density (± 10%)	4.53 lb/ft^3 (72.63 kg/m^3)	3.82 lb/ft^3 (61.25 kg/m^3)	2.75 lb/ft^3 (44.10 kg/m^3)

Typical Applications

- On hillslopes to break up slope length and overland flow
- Across channel bottoms to pool water and reduce flow velocities

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Installation

AEC Premier Straw Wattles shall be installed on slopes or in channels to intercept water flow and collect sediment on site. AEC Premier Straw Wattles are typically installed in a two inch deep trench that is constructed along the contour, perpendicular to the slope or direction of flow. Ends of the wattles shall be turned up the slope, so as to retain water and prevent its release from the end of the wattle.

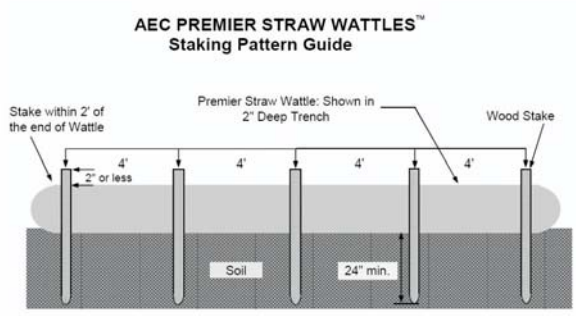
Wattles shall be secured to the subgrade by wooden stakes spaced every four lineal feet across the length of the wattle. Stakes shall be driven through the center of the wattle and into the ground a minimum of 24", with less than two inches projecting above the top of the wattle. A stake shall be placed within two feet of the end of the wattle. The installation process may be expedited by using a metal

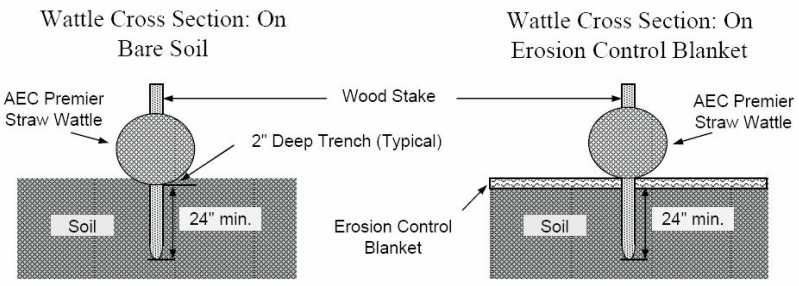
rod to create pilot holes for wooden stakes. When joining two wattles, tightly abut both ends or overlap the wattles approximately six inches. If wattles are joined together by abutting the ends, tie the ends together using heavy twine or plastic locking ties.

When installing in a channel bottom, AEC Premier Straw Wattle installation shall continue three feet above the anticipated high water mark.

AEC Premier Straw Wattles shall remain in place until fully established vegeation and root systems are present and can survive on their own. Wattles that are not removed will degrade in-place.

Project specifications should be reviewed for any unique installation requirements.





Notes:
1. Drawings are not to scale.
2. Ends of Wattles shall be turned slightly up.
3. Recommend stakes are 1 1/8" wide x 1 1/8" thick x 30" long. Stakes shall not extend above the straw wattle more than 2".

MADE IN THE U.S.A.

If you would like to receive more information or consult with one of our Customer Care Center Specialists, please call us toll free at (888-352-9582)
PDF download specifications available in the Technical Support Library at www.curlex.com