

Erosion Control

Straw Wattles



STRAW WATTLES ECB-125

The 12-inch (30.5 cm) wattle (Straw Wattle) is an elongated tube of compacted straw and/or other fibers wrapped in UV stabilized degradable tubular polypropylene plastic netting. The 12-inch (30.5 cm) Wattle is used for temporary erosion and sediment control applications and are commonly installed along the contours or at the base of a slope to help reduce soil erosion and retain sediment. The Wattle is designed to allow runoff/water to penetrate through the fiber while reducing sediment migration. Wattles function as slope interruption devices and therefore shorten slope lengths reducing runoff velocity and the potential for sheet erosion and rill formation. Wattles work in conjunction with surface roughening, straw mulching, bonded fiber matrix, hydroseeding and erosion control blankets to further reduce erosion and sediment migration.

FEATURES

- The wattle provides a cost effective alternative to other sediment trapping devices.
- The wattle can be easily installed and removed.
- The functional longevity is approximately 6-24 months, depending on moisture, light, and environmental conditions.

ECB-125 12-inch Wattle Values

Property	Test Method	Wattle 12-inch	
		Metric Units	English Units
Mass/Unit Length	Field Measure	1.74 kg/m	3.5 lbs/ft
Diameter	Field Measure	26.7-30.5 cm	10.5-12 in
Length	Field Measure	3.08 m 5.5 m 6.09 m (<i>Standard Length</i>)	10 ft 18 ft 20 ft
Net Strand Thickness	Field Measure	0.04 cm	0.016 in
Netting Weight	Certified	37.5 g/m	1.21 oz/yd
Installed Free-Board Height	Field Measure	20.3-22.9 cm	8-9 in
Mesh Opening	Certified	1.27 cm	0.5 in
Stretch Width	Certified	53.3 cm	21 in

INSTALLATION

1. Ensure smooth surface for total contact between the soil and wattle
2. Stake every 3 feet off center
3. Best when used over a blanket

REMOVAL

1. Cut the net
2. Spread the mulch
3. Remove the net
4. Level the silt and seed if not vegetated

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