



Environmentally Positive Temporary Erosion and Sediment Control

***12" x 10' Wood Mulch Filled Biodegradable Erosion Control Logs
In Polyethylene Netting***

Our "EcoWattle Original – PE Netting" is native wood mulch filled temporary sediment control device comprised of biodegradable wood mulch as filter media inside UV degradable extruded polyethylene netting. The standard length of our 12" EcoWattle Originals is 10'. 12" EcoWattle Original's dry weight is +/- 11.0 lbs. per linear foot.

The fill material / filter media is biodegradable, natural wood mulch. The wood mulch is ground and filtered to particular specifications. The sizes of the biodegradable wood mulch pieces are determined so as to be large enough to create air space for water flow-through, yet small enough to maintain sufficient filtration levels, wattle flexibility and to facilitate proper wattle filling. Insects, fungi and bacteria assisted by heat, sun, moisture, freezing and thawing break down mulch; decomposition increases the organic material in the soil. The wood mulch will fully degrade in 30 – 60 months depending on the environmental conditions.

EcoWattle's PE netting is designed to fully degrade in 24 to 36 months, depending on the exposure to elements that affect degradation rates – sun, extreme temperatures, humidity, precipitation, fungi, insects and bacteria.

12" EcoWattle Originals do not require trenching and staking generally is not necessary in perimeter installations, but stakes should be considered when installation is cross-channel/ditch or on slopes greater than about 2.5:1. EcoWattle Original's dry weight eliminates the problem of floating during the initial period of rainfall and the weight of a wet wattle prevents the wattle from being displaced in all but extremely heavy rain events. Undermining is avoided by the flexibility of the mulch and the netting, which allows the wattle to settle onto the ground before and during rain events. Pooling and overflowing are avoided due to the flow through rate afforded by the size of the mulch pieces and holes of the netting. Suspended soil and other particles are filtered from water runoff that flows through the mulch wattle; the mulch wattle prevents water borne sediment from infiltrating protected areas.

For installations that require stakes, or if stakes are desired for extra protection, we recommend three stakes – one at each end and one at midpoint. If the stakes are to be installed through the EcoWattle, we recommend using 3' rebar. If the stakes are to be installed on the downstream side, we recommend wood stakes, at least 1" x 2" x 24".

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