

Vegetated Coir Log Coconut Coir Fiber Logs



Specifications

Coir log material: 100% Biodegradable coconut fiber, plugged with native wetland plants.

Vegetated coir logs can be custom grown based on your site conditions. Please allow 8-10 weeks lead time.

Plugs are planted 2 per linear foot (20 plants per log).

Larger diameters can be provided with sufficient lead time.

Coir fiber density: 30cm x 3m – 11kgs/lm

Exterior net structure

- > Coir net - Diamond shape mesh and 14 knots circular wise
- > PP net – knotless diamond shape mesh

Net mesh size: 5cm x 5cm

Net thickness

- > Coir net – 4mm
- > PP net – 2mm

Applications

Vegetated coir logs can be used for erosion control at the water line for pond edges, lakeshores, riparian corridors, and stormwater swales. Once staked and secured to the bank, the dense coir logs act as a buffer between high-energy wave action to help hold newly graded banks. The logs will persist for 3 to 5 years while the plants establish themselves and eventually root into the bank. When the coir logs biodegrade, the plants and roots will remain to stabilize the bank with an intensive native root structure substrate.

Unvegetated logs can be installed above the normal water line along slope contours to slow down runoff and prevent rill erosion.

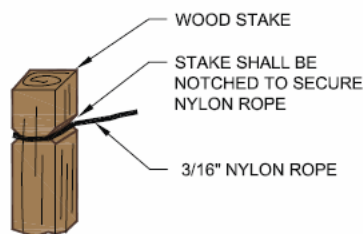
Applications Include:

- > Lake Shores
- > Stream Banks
- > Stormwater Swales
- > Slope Stabilization

Installation

1. Final grade should be smooth, free of rocks, sticks, and existing vegetation. Do not install vegetated coir logs on hard, compacted soil.
2. Logs should maintain solid contact with the soil and be installed in a manner that minimizes gaps between the bottom of the log and the underlying substrate.
3. Install logs at the approximate normal water level. Between 1/3 to 2/3 of the log should be submerged.
4. If installing non-vegetated, pre-drilled logs, install them with the holes on top for later planting.
5. Drive alternately spaced hardwood stakes into the soil along either side of the log until the top of the stake is approximately 4" above the log. The stakes should be between 3 to 4' long, depending upon application, a minimum of 1.25" thick, and spaced 2 to 3' apart..
6. Notch hardwood stakes approximately 4" below the top of the log deep enough to fit a 3/16" nylon rope. Crisscross the rope over the top of the log. When complete, drive stakes down until rope is tight against the log. Cut off excess from stakes so that they are flush with the top of the installed log.
7. If installing multiple logs, install all at the same elevation along the water line. Couple adjacent logs together with supplemental rope, wire ties, or cable ties.
8. Supplemental plantings can be installed within the log, on the front and back sides, if desired.

Details



HARDWOOD STAKE NOTCH DETAIL
NOT TO SCALE

