



Technical Specifications for  
**Nedia KoirLog™ 12ND**

Nedia KoirLog™ 12ND is a 100% natural coconut fiber log used for shoreline and stream channel applications to dissipate the impact of wave action and flowing water, protect erodible soils and encourage vegetation growth through biotechnical stabilization.

Property	Typical Value	
	English Units	Metric Units
Nominal Diameter	12 in	30 cm
Nominal Length*	10' or 20'	3.05 m or 6.10 m
Unit Weight	5.0 lbs/ft	7.4 kg/m
Core Density	7.0 lbs/cu.ft	112 kg/cu.m
Wave Height	12 in	30 cm
Water Velocity	8.0 ft/s	2.4 m/s
Outer Netting Material	3 ply coir with 0.40 in. Dia.	3 ply coir with 1 cm Dia.
Outer Netting Breaking Strength	90 lbs	356 N
Outer Netting Mesh Size	2" x 2" Rhombic mesh with handknotted junctions	
Inner Core	Unsorted, double cleaned, well-graded, coir fiber	

\*Actual length may be 3" to 6" shorter due to natural shrinkage of coir fiber from moisture loss and other factors.

