



Technical Specifications for  
**Nedia KoirLog™ 20HD**  
(High Density with Coir Netting)

Nedia KoirLog™ 20HD 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	20 in	50 cm
Nominal Length*	10' or 20'	3.05 m or 6.10 m
Unit Weight	19.5 lbs/ft	29 kg/m
Core Density	9.0 lbs/cu.ft	145 kg/cu.m
Wave Height	30 in	0.75 m
Water Velocity	15.2 ft/s	4.6 m/s
Outer Netting Material	3 ply coir with 0.40 in. Dia.	3 ply coir with 1 cm Dia.
Outer Netting Breaking Strength	100 lbs	445 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.

