



Technical Specifications for

Nedia KoirWrap™ 1000

Nedia KoirWrap™ 1000 is a double layered biodegradable erosion control fabric made up of an outer layer of high strength coir fabric and an inner layer of lightweight jute fabric tied together at regular intervals. Ideal for fabric encapsulated soil lifts; this product effectively replaces the traditional use of a coir fiber matting in combination with a non-woven coir blanket.

Property	Test Method	Typical Value	
		English Units	Metric Units
Thickness	ASTM D 5199	0.35 in	0.90 cm
Mass per unit area	ASTM D 5261	33.3 oz/sq.yd	1130 g/sq.m
Wide Width Tensile Strength MD x TD (Primary Layer)	ASTM D 4595	1008 x 936 lbs/ft	14.7 x 13.7 kN/m
Maximum Elongation MD x TD (Primary Layer)	ASTM D 4595	30% x 26%	
Wide Width Tensile Strength MD x TD (Secondary Layer)	ASTM D 4595	612 x 468 lbs/ft	8.94 x 6.83 kN/m
Maximum Elongation MD x TD (Secondary Layer)	ASTM D 4595	8% x 9%	
Puncture Strength (Secondary Layer)	GRI GS1	553 lbs	2,461 N
Flexural Rigidity (Stiffness)	ASTM D 1388	0.692 x 0.690 oz-in	49.8 x 49.7 g-cm
Water Absorption	ASTM D 1117	146%	
Shear Stress (Recommended)	Flume Test	4.5 psf	215 Pa
Water Velocity (Recommended)	Flume Test	12 ft./sec	3.7 m/sec
Functional Longevity	Observed	4 to 6 years	
Permittivity	ASTM D 4491	3.07/sec	
Permeability	ASTM D 4491	1.03 in/sec	2.61 cm/sec
Flow Rate	ASTM D 4491	229 gal/m in/sq.ft	9.36 cu.m /min/sq.m

Standard Roll Size: 13.1'x 83' (4m x 25m) – 120 sy/roll

