

Technical Specifications for  
**Nedia KoirMat™ 700**

Nedia KoirMat™ 700 is a woven fabric of high strength coir twine made from well-cleaned, fresh water cured coconut fiber, It naturally absorbs and retains water while retaining its integrity and providing an ideal microclimate for the growth of vegetation.

Property	Test Method	Typical Value	
		English Units	Metric Units
Material	n/a	Woven matting of coir made from high strength coconut fiber	
Color	n/a	Natural / Earth tone	
Thickness	ASTM D 5199	0.35 in.	9 mm
Mass per unit area (min)	ASTM D 5261	20.6 oz/sq.yd	700 gms/sq. m
Wide width tensile - Dry MD X CD	ASTM D 4595	1512 x 1032 lbs/ft	22.06 x 15.05 kN/m
Wide width tensile - Wet MD X CD	ASTM D 4595	924 x 684 lbs/ft	13.48 x 9.97 kN/m
Maximum Elongation - Dry MD X CD	ASTM D 4595	40% x 33%	
Maximum Elongation - Wet MD X CD	ASTM D 4595	69% x 34%	
Flexural Rigidity (Stiffness)	ASTM D 1388	12896 x 8132 mg-cm	
Slope ( Recommended)	Observed	>1:1	
Water Absorption	ASTM D 1117	146%	
Water Velocity	Flume Tests	12 ft/sec	3.7 m/sec
Shear Stress	Flume Tests	4.5 psf	215 N/sq. m
"C" Factor	Flume Tests	0.002	
Open Area	Measured	50%	
Functional Longevity	Observed	3-5 years	
UV Stability	ASTM D 4355	80% min @ 500 hrs	

**Standard Roll Sizes: 6.56' x 165' (2m x 50m) – 120 sy/roll**

**13.1' x 165' (4m x 50m) – 240 sy/roll**



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