

Technical Specifications for  
**Nedia KoirMat™ 400**

Nedia KoirMat™ 400 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	11.8 oz/sq.yd	400 gms/sq.m
Wide width tensile - Dry MD X CD	ASTM D 4595	504 x 480 lbs/ft	7.35 x 7.00 kN/m
Wide width tensile - Wet MD X CD	ASTM D 4595	456 x 360 lbs/ft	6.65 x 5.25 kN/m
Maximum Elongation - Dry MD X CD	ASTM D 4595	33% x 31%	
Maximum Elongation - Wet MD X CD	ASTM D 4595	36% x 31%	
Flexural Rigidity (Stiffness)	ASTM D 1388	4070 x 3923 mg-cm	
Slope ( Recommended)	Observed	<1:1	
Water Absorption	ASTM D 1117	163%	
Water Velocity	Flume Tests	8 ft/sec	2.4 m/sec
Shear Stress	Flume Tests	3.2 psf	153 N/sq.m
"C" Factor	Flume Tests	0.002	
Open Area	Measured	65%	
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**





**Nedra**  
Enterprises, Inc.