



# ENVIRONMENTAL CONSTRUCTION SOLUTIONS

## Specifications for Coir 700 Matting

Coir 700 is a biodegradable erosion control fabric made up of a single layer of continuously woven coir (coconut fiber) matting. It is designed to be used on slopes, shorelines and streamlines for erosion & sediment control. It is also designed to hold seed intact during the establishment of vegetative cover. Coir Matting is an environmentally friendly product.

Property	Test Method	Coir 700
Weight	ASTM D 3776	20.65 oz/sq.yd (700 g/sq.m)
Tensile Strength Machine Direction	ASTM D 4595	1348 x 626 lbs/ft
Elongation at Failure Wet Machine Direction	ASTM D 4595	34% x 38%
Flexibility (Mg-Cm)		65030 x 25590
Longevity		4-6 years
Open Area	Calculated	50%
"C" Factor		0.002
Thickness	ASTM D 1777	0.30 in
Minimum Twine Count MD x CD (per foot)		27 x 18
Recommended Slope		1:1
Flow Velocity		Observed 11 fps (3.5 m/s)
Shear Stress		4.5 lbs/sq.ft (215 N/sq.m)