



COIR MAT

300 Gram

Product Data Sheet

4000-4410 2MX50M Coir Matting (300 gram)

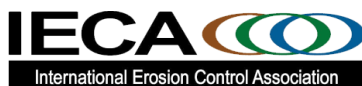


Coir Mat 300 Gram is a woven fabric of high strength coir twine made from well-cleaned, fresh water cured coconut fiber. It naturally absorbs and retains water while retaining its integrity and providing an ideal microclimate for the growth of vegetation. It is offered as a value-add substitute to Jute and has approximately twice the tensile strength and longevity of Jute.

Properties	Test Method	Typical Values	
		English	Metric
Material		Coconut Fibers	
Yarn		Natural Woven Coconut Fiber	
Thickness	ASTM D 5199	0.3 Inch	8 mm
Fabric Weight	ASTM D 5261	8.8 oz/SY	300 gsm
C-Factor for 1:1 Unvegetated Slope		< 0.25	
Tensile Strength (MD x CD)	ASTM D 4595	285 lb/ft x 209 lb/ft	4.16 kN/m x 3.05 kN/m
Maximum Elongation (MD x CD)	ASTM D 4595	27% x 27%	
Water Absorption	ASMT D 1117	194%	
Open Area		65%	
Standard Size		6.6ft x 164ft (1,076 ft ²)	2M x 50M (100 m ²)
		13.12ft x 164ft (2,152ft ²)	4M x 50M (100 m ²)

The numeric values listed above are typical.

- Three to five years longevity allows establishment of vegetation.
- Provides effective erosion control of steep slopes and high velocity flow channels.
- Provides economic and environmentally sound stabilization of stream banks and shorelines.
- High tensile strength and durability make it suitable for severe erosion control problems.
- Open mesh construction provides excellent opportunity for the growth of vegetation.
- Adds fertility to the soil after biodegrading.



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