



COIR MAT

(ECTC type 4 RECP)

700 Gram

Product Data Sheet

4000-4450 4Mx25M Coir Matting (700 gram)

4000-4451 2MX50M Coir Matting (700 gram)

Coir Mat 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. ****Meets or exceeds Caltrans standard for RECP Netting Type B per Section 21-1.020(3) ****

Typical Properties	Test Method	Typical Values	
		English	Metric
Material		Coconut Fibers	
Yarn		Natural Woven Coconut Fiber	
Fabric Weight	ASTM D 5261	700gr/sq/meter	20.64 oz/sq/yd
C-Factor for 1:1 Unvegetated Slope		< 0.25	
Tensile Strength	ASTM D 5035	> 125 lbs/ft ²	
Wide Width Tensile Dry	ASTM D 4595	Machine Direction 1512 lbs/ft	
		Cross Direction 1032 lbs/ft	
Max Elongation Dry	ASTM D4595	Machine Direction 40%	
		Cross Direction 33%	
Wide Width Tensile Wet	ASTM D 4595	Machine Direction 924 lbs/ft	
		Cross Direction 684 lbs/ft	
Max Elongation Wet	ASTM D 4595	Machine Direction 69%	
		Cross Direction 34%	
Water Absorption	ASMT D 1117	146%	
Water Velocity	ASMT D 6460	12 ft/sec	
Max Shear Stress	ASMT D 6460	4.46 lbs/sq. ft.	
Open Area		50%	
Minimum Thickness		0.30 Inches	
Standard Roll Sizes		13'x82' (1076 ft ²)	4Mx25M (100 m ²)
		6.6'x164' (1076 ft ²)	2Mx50M (100 m ²)

The above properties are typical averages

- 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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