



# BioD-Mat<sup>®</sup> 70

Semi-Permanent Woven  
Brown Bristle Coir Mat

Sri Lanka patent # 11159

Completely Wildlife Safe!

**Woven Coir blanket with unit weight of 780 g/m<sup>2</sup>.**

## Description

The BioD-Mat<sup>®</sup> 70 blanket is woven from machine twisted bristle coir twines, the best quality coir fiber. This 100% biodegradable, strong and durable blanket provide higher erosion resistance while supporting growth and development of vegetation. This semi-permanent mat has functional field longevity of 4-6 years. If the vegetation fails to establish, the open weave in the mat allows seeding over the mat. BioD-Mat<sup>®</sup>70 blanket is manufactured to conform to the following physical properties.

## Specifications

Property	Test Method	BioD-Mat <sup>®</sup> 70
Weight	ASTM D 3776	23 oz/SY (780 g/m <sup>2</sup> )
Wide width tensile strength <b>Wet</b> Machine direction Cross direction	ASTM D 4595	1488 lbs./ft (21.7 kN/m) 1032 lbs./ft (15.1 kN/m)
Wide width tensile strength <b>Dry</b> Machine direction Cross direction	ASTM D 4595	1740 lbs./ft (25.4 kN/m) 1176 lbs./ft (17.2 kN/m)
Elongation at failure <b>Wet</b> Machine direction Cross direction	ASTM D 4595	38% 25%
Open area	Calculated	48%
Thickness	ASTM D 1777	0.35 inch (9 mm)
Recommended shear stress		4.5lbs./sq.ft.(215N/q.m.)
Recommended flow		12 fps (3.7m/s)
Recommend slope		1:1
Minimum twine count per foot MD x CD		27 x 18
Fiber type in twine		Brown bristle coir fiber

**BioD-Mat<sup>®</sup> 70 is available in following roll sizes**

- 3.28ft x 83ft (30SY) = 1m x 25m (25 sq. m)
- 6.5ft x 166ft (120SY) = 2m x 50m (100 sq. m)
- 9.8ft x 166ft (180SY) = 3m x 50m (150 sq. m)
- 13.1ft x 83ft (120SY) = 4m x 25m (100 sq. m)



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