



BioD-Mat® 40

Semi-Permanent Woven
Brown Bristle Coir Mat

Sri Lanka patent # 11159

Completely Wildlife Safe!

Woven Coir blanket with unit weight of 460 g/m².

Description

The BioD-Mat® 40 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. Open weave allows planting through the mat without cutting the mat. If the vegetation fails to establish, the open weave in the mat allows seeding over the mat. BioD-Mat® 40 blanket is manufactured to conform to the following physical properties.

Specifications

Property	Test Method	BioD-Mat® 40
Weight	ASTM D 3776	13.6 oz/SY (460 g/m ²)
Wide width tensile strength Wet Machine direction Cross direction	ASTM D 4595	672 lbs./ft. (9.8 kN/m) 648 lbs./ft.(958 kN/m)
Wide width tensile strength Dry Machine direction Cross direction	ASTM D 4595	780 lbs./ft. (11.4 kN/m) 744 lbs./ft. (10.9 kN/m)
Elongation at failure Wet Machine direction Cross direction	ASTM D 4595	30% 28%
Open area	Calculated	65%
Thickness	ASTM D 1777	0.35 inch (9 mm)
Recommended shear stress		3 lbs./ft ² (145N/sq.m.)
Recommended flow		8 fps (2.4 m/s)
Recommend slope		2:1
Minimum twine count per foot MD x CD		15 x 14
Fiber type in twine		Brown bristle coir fiber

BioD-Mat® 40 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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DOT DBE Certified



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