



BioD-Mat® 90

Semi-Permanent Woven
Brown Bristle Coir Mat

Sri Lanka patent # 11159

Completely Wildlife Safe!

The Highest Quality Woven Coir Mat on the Market!

Description

The BioD-Mat® 90 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® 90 blanket is manufactured to conform to the following physical properties.

Specifications

| Property | Test Method | BioD-Mat® 90 |
|--|-------------|--|
| Weight | ASTM D 3776 | 29 oz/SY (980 g/m ²) |
| Wide width tensile strength Wet Machine direction Cross direction | ASTM D 4595 | 1776 lbs./ft (26 kN/m) 936 lbs./ft (13.7 kN/m) |
| Wide width tensile strength Dry Machine direction Cross direction | ASTM D 4595 | 2024 lbs./ft (29.6 kN/m) 1160 lbs./ft (17 kN/m) |
| Elongation at failure Wet Machine direction Cross direction | ASTM D 4595 | 52% 24% |
| Open area | Calculated | 38% |
| Thickness | ASTM D 1777 | 0.35 inch (9 mm) |
| Recommended shear stress | | 5 lbs./ft ² (240 N/sq.m.) |
| Recommended flow | | 16 fps (4.9 m/s) |
| Recommend slope | | >1:1 |
| Minimum twine count per foot MD x CD | | 39 x 18 |
| Fiber type in twine | | Brown bristle coir fiber |

BioD-Mat® 90 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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