

Biodegradable Erosion Control Blankets

Every project site comes with unique challenges, whether it's soil conditions, slope, weather, or other environmental factors. That's why it's important to have a dependable solution that works in any situation. Erosion Control Blankets (ECBs) create a protective layer that fosters seed growth and helps prevent soil loss from rainfall, wind, and water flow.

BMP Supplies' Biodegradable Erosion Control Blankets (ECBs) deliver reliable, natural erosion protection, promote soil stability, and support vegetation growth—all in a way that's safe for the environment and wildlife.

BMP SUPPLIES - BIODEGRADABLE EROSION CONTROL BLANKETS

Material Properties

Style	ASTM	BMP-BSNS	BMP-BDNS	BMP-BDNSC	BMP-BDNC	BMP-BSNAE	BMP-BDNAE
Description		100% Weed Free Straw (1 Net) Biodegradable Net (Jute)	100% Weed Free Straw (2 Net) Biodegradable Nets (Jute)	70% Weed Free Straw, 30% Coconut Fiber (2 Net) Biodegradable Nets (Jute)	100% Coconut Fiber (2 Net) Biodegradable Nets (Jute)	100% Aspen Excelsior (1 Net) Biodegradable Nets (Jute)	100% Aspen Excelsior (2 Net) Biodegradable Nets (Jute)
ECTC Type		1.C Single-Net ECB	2.D Double-Net ECB	3.B ECB	4.B ECB	2.C Single-net ECB	3.B ECB
Functional Longevity*		Est. 12 Months	Est. 12 Months	Est. 24 Months	Est. 36 Months	Est. 12+ Months	Est. 24 Months
Suggested Application		Low Flow Channels and 4:1 – 3:1 Slopes	Moderate Flow Channels and 3:1 – 2:1 Slopes	Medium Flow Channels and 2:1 – 1.5:1 Slopes	High Flow Channels and ≤1:1 Slopes	Moderate Flow Channels and 3:1 Slopes	Medium to High Flow Channels and 1.5:1 Slopes.
Tensile Strength MD	D6818	175.2 lb/ft	187.2 lb/ft	206.4 lb/ft	222.0 lb/ft	132.0 lb/ft	242.0 lb/ft
Tensile Strength XD	D6818	121.2 lb/ft	156.0 lb/ft	142.8 lb/ft	190.8 lb/ft	63.6 lb/ft	172.8 lb/ft
Unvegetated Shear Stress	D6560 D7207	1.55 psf (74 Pa)	1.95 psf (93 Pa)	2.65 psf (127 Pa)	2.81 psf (134 Pa)	2.93 psf (140 Pa)	3.4 psf (166 Pa)
Design Velocity		5 ft/sec 1.52 m/sec	6 ft/sec 1.83 m/sec	8 ft/sec - 2.44 m/sec	10 ft/sec - 3.05 m/sec	6.00 ft/sec - 1.83 m/sec	10.0 ft/sec - 3.05 m/sec
Roll Width		8.0 or 16.0 ft	8.0 or 16.0 ft	8.0 or 16.0 ft	8.0 or 16.0 ft	8.0 or 16.0 ft	8.0 or 16.0 ft
Roll Length		112 ft	112 ft	112 ft	112 ft	112 ft	112 ft
Roll Weight +-10%		50 lbs (8 ft) 100 lbs (16 ft)	50 lbs (8 ft) 100 lbs (16 ft)	50 lbs (8 ft) 100 lbs (16 ft)	50 lbs (8 ft) 100 lbs (16 ft)	73 lbs (8 ft) 156 lbs (16 ft)	73 lbs (8 ft) 156 lbs (16 ft)

Disclaimer: BMP Supplies disclaims any and all express, implied, or statutory standards, warranties or guarantees, including without limitation any implied warranty as to merchantability or fitness for a particular purpose or arising from a course of dealing or usage of trade as to any equipment, materials, or information furnished herewith. This document should not be construed as engineering advice. *depends on environmental factors outside of manufacturer's control