

## DATA SHEET

### BLANKET FOR EROSION CONTROL - COIR FIBERS

PRODUCT DESCRIPTION: Coir fibers blanket, whose top and bottom are covered with black oxo-biodegradable polypropylene netting and contains UV additives.

FUNCTION: Control

RAW MATERIAL: Coir fibers and polypropylene mesh

### TECHNICAL DATA TABLE

	PROPERTIES	TEST METHOD	VALUES	
			Metric	Imperial
<b>PHYSICAL</b>	Thickness	ASTM D6525	6.60 mm	0.26 in
	Mass per unit area	ASTM D6475	217 g/m <sup>2</sup>	0.04 lb/ft <sup>2</sup>
	Resiliency	ASTM D6524	83.0 %	
	Light penetration	ASTM D6567	23.1 %	
<b>MECHANICAL</b>	Tensile strength MD	ASTM D6818	4.57 kN/m	313.2 lb/ft
	Tensile strength TD	ASTM D6818	2.50 kN/m	171.6 lb/ft
	Elongation at break MD	ASTM D6818	29.0 %	
	Elongation at break TD	ASTM D6818	44.0 %	
<b>PERFORMANCE AND DURABILITY</b>	Functional longevity <sup>(4)</sup>	-	≤ 36 months	
<b>OTHER</b>	Swelling	ECTC procedure	20.3 %	
	Water absorbency	ASTM D1117/ECTC	234.0 %	
	Laboratory testing of rain splash	ASTM D7101	SLR = 15.05 @ 2 in/hr <sup>(2,3)</sup>	
			SLR = 16.51 @ 4 in/hr <sup>(2,3)</sup>	
			SLR = 18.01 @ 6 in/hr <sup>(2,3)</sup>	
	Shear test	ASTM D7207	2.50 lb/ft <sup>2</sup> @ 0.5 in of soil loss <sup>(3)</sup>	
	Germination improvement	ASTM D7322	415.0 %	
<b>DIMENSIONS AND WEIGHT</b>	Width	-	2.44 m	8.0 ft
	Length	-	34.29 m	112.5 ft
	Surface	-	83.67 m <sup>2</sup>	900.0 ft <sup>2</sup>
	Weight (± 10 %)	-	22.7 kg	50.0 lb
	Mesh opening	-	19.1 mm x 19.1 mm	0.75 in x 0.75 in

Note 1: Weight is based on the dry fibre. During its manufacture, the reference humidity level for coir fibers is 20 %.

Note 2: SLR is the soil leach ratio, as defined by NTPEP/AASHTO.

Note 3: The laboratory tests indexes should not be used for design purposes.

Note 4: Functional longevity varies from region to region because of differences in climatic conditions.

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### BLANKET FOR EROSION CONTROL - COIR FIBERS (CONT.)

Coir mats are designed to channel a flow rate up to 2.7 m/s (9.0 ft/s) and 108 N/m<sup>2</sup> (2.25 lbs/ft<sup>2</sup>) of shear stress limit.

Coir mats have a rate of soil loss of 0.05 and are generally appropriate for slopes up to 1H:1V.

APPLICATIONS: Retaining walls and embankments  
Grow vegetation areas