

# DATA SHEET

## BLANKET FOR EROSION CONTROL - STRAW FIBERS

**PRODUCT DESCRIPTION:** Blanket composed of a mixture of straw of which 75 % of fibers are 100 mm (4 in) long or more. The top is covered with green oxo-biodegradable polypropylene netting and contains UV additives.

**FUNCTION:** Control

**RAW MATERIAL:** Straw fibers and polypropylene mesh

### TECHNICAL DATA TABLE

	PROPERTIES	TEST METHOD	VALUES	
			Metric	Imperial
<b>PHYSICAL</b>	Thickness	ASTM D6525	7.87 mm	0.31 in
	Mass per unit area	ASTM D6475	233 g/m <sup>2</sup>	0.05 lb/ft <sup>2</sup>
	Resiliency	ASTM D6524	65.0 %	
	Light penetration	ASTM D6567	21.6 %	
<b>MECHANICAL</b>	Tensile strength MD	ASTM D6818	1.93 kN/m	132.2 lb/ft
	Tensile strength TD	ASTM D6818	0.68 kN/m	46.8 lb/ft
	Elongation at break MD	ASTM D6818	28.4 %	
	Elongation at break TD	ASTM D6818	26.5 %	
<b>PERFORMANCE AND DURABILITY</b>	Functional longevity <sup>(4)</sup>	-	≤ 12 months	
	Swelling	ECTC procedure	22.0 %	
<b>OTHER</b>	Water absorbency	ASTM D1117/ECTC	447.0 %	
	Laboratory testing of rain splash	ASTM D7101	SLR = 7.53 @ 2 in/hr <sup>(2,3)</sup>	
			SLR = 8.38 @ 4 in/hr <sup>(2,3)</sup>	
			SLR = 9.32 @ 6 in/hr <sup>(2,3)</sup>	
	Shear test	ASTM D7207	1.59 lb/ft <sup>2</sup> @ 0.5 in of soil loss	
	Germination improvement	ASTM D7322	476.0 %	
<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	-	12.7 mm x 12.7 mm	0.50 po x 0.50 po

Note 1: Weight is based on the dry fibre. During its manufacture, the reference humidity level is 15 % for straw fibers.

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 - STRAW FIBRES (CONT.)

Straw mats are designed to channel a flow rate up to 1.4 m/s (4.5 ft/s) and 74 N/m<sup>2</sup> (1.55 lb/ft<sup>2</sup>) of shear stress limit.

Straw mats have a rate of soil loss of 0.05 and are generally appropriate for slopes up to 3H: 1V.

APPLICATIONS: Retaining walls and embankments  
Grow vegetation areas