

DATA SHEET

BLANKET FOR EROSION CONTROL - WOOD FIBERS (SINGLE NETTING)

PRODUCT DESCRIPTION: Blanket composed of a mixture of poplar wood fibers of which 80% of the fibers are 150 mm (6 in) long or more. The top is covered with green oxo-biodegradable polypropylene netting and contains UV additives.

FUNCTION: Control

RAW MATERIAL: Poplar wood fibers and polypropylene mesh

TECHNICAL DATA TABLE

	PROPERTIES	TEST METHOD	VALUES	
			Metric	Imperial
PHYSICAL	Thickness	ASTM D6525	10.44 mm	0.411 in
	Mass per unit area	ASTM D6475	309 g/m ²	0.06 lb/ft ²
	Resiliency	ASTM D1117/ECTC	59.0 %	
	Light penetration	ASTM D6567	20.5 %	
MECHANICAL	Tensile strength MD	ASTM D6818	1.14 kN/m	78.0 lb/ft
	Tensile strength TD	ASTM D6818	0.54 kN/m	37.2 lb/ft
	Elongation at break MD	ASTM D6818	20.3 %	
	Elongation at break TD	ASTM D6818	14.3 %	
PERFORMANCE AND DURABILITY	Functional longevity ⁽⁴⁾	-	≤ 18 months	
OTHER	Swelling	ECTC procedure	49.0 %	
	Water absorbency	ASTM D1117/ECTC	253.0 %	
	Laboratory testing of rain splash	ASTM D7101	SLR = 4.12 @ 2 in/hr ^(2,3)	
			SLR = 4.43 @ 4 in/hr ^(2,3)	
			SLR = 4.79 @ 6 in/hr ^(2,3)	
	Shear test	ASTM D7207	2.32 lb/ft ² @ 0.5 in of soil loss	
	Germination improvement	ASTM D7322	572.0 %	
DIMENSIONS AND WEIGHT	Width	-	2.44 m	8.0 ft
	Length	-	34.29 m	112.5 ft
	Surface	-	83.67 m ²	900.0 ft ²
	Weight (± 10 %)	-	33.1 kg	73.0 lb
	Mesh opening	-	25.4 mm x 50.8 mm	1.0 in x 2.0 in

Note 1: Weight is based on dry fibre. During its manufacture, the reference humidity level for wood fibers is 22 %.

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 - WOOD FIBERS (SINGLE NETTING) (CONT.)

Wood mats are designed to channel a flow rate up to 2.1 m/s (7.0 ft/s) and 84 N/m² (1.75 lbs/ft²) of shear stress limit.

Wood mats have a rate of soil loss of 0.018 and are generally appropriate for slopes up 2H:1V.

APPLICATIONS: Retaining walls and embankments
Grow vegetation areas