DATA SHEET

BLANKET FOR EROSION CONTROL - WOOD FIBERS (DOUBLE 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 and the bottom are covered with green oxo-biodegrader polypropylene netting and contains UV additives.

FUNCTION: Control

RAW MATERIAL: Wood fibers and polypropylene mesh

TECHNICAL DATA TABLE

	PROPERTIES	TEST METHOD	VALUES	
			Metric	Imperial
PHYSICAL	Thickness	ASTM D6525	10.62 mm	0.418 in
	Mass per unit area	ASTM D6475	309 g/m²	0.06 lb/ft²
	Resiliency	ASTM D6524	64.0 %	
	Light penetration	ASTM D6567	34.6 %	
MECHANICAL	Tensile strength MD	ASTM D6818	1.85 kN/m	127.0 lb/ft
	Tensile strength TD	ASTM D6818	0.74 kN/m	50.9 lb/ft
	Elongation at break MD	ASTM D6818	28.64 %	
	Elongation at break TD	ASTM D6818	29.84 %	
PERFORMANCE AND DURABILITY	Functional longevity[4]	-	≤ 24 months	
OTHER	Swelling	ECTC procedure	89.0 %	
	Water absorbency	ASTM D1117/ECTC	199.0 %	
	Laboratory testing of rain splash	ECTC Method 2	SLR = 6.84 @ 2 in/hr[2,3]	
			SLR = 7.19 @ 4 in/hr[2,3]	
			SLR =7.56 @ 6 in/hr[2,3]	
	Shear test	ECTC Method 3	2.6 lb/ft² @ 0.5 in of soil loss	
	Germination improvement	ECTC Method 4	645.0 %	
DIMENSIONS AND WEIGHT	Width	-	2.44 m	8.0 ft
	Length	-	34.29 m	112.5 ft
	Surface	-	83.67 m²	900.0 ft²
	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: Weigth 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 (DOUBLE NETTING) (CONT.)

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

Wood mats have a rate of soil loss of 0.022 and are generally appropriate for slopes up 1.5H:1V.

APPLICATIONS: Retaining walls and embankments
Grow vegetation areas