

MODEL #: CFB – Data Sheet

100% Coconut Fiber + 2 Organic Jute Nets = Biodegradable Erosion Control Blanket

CFB is made with uniformly distributed 100% coconut fiber and two organic jute nets securely sewn together with biodegradable thread. The tightly compressed blankets are wrapped and include a product label, code and installation guide. We sell the blankets by the square foot. The CFB has functional longevity of approximately 24 months, but will vary depending on soil and climatic conditions, and is suitable for slopes 1:1 and medium to high flow channels. The CFB meets Type 4 specification requirements established by the Erosion Control Technology Council (ECTC) and Federal Highway Administration's (FHWA) FP-03 Section 713.17.



Matrix:	1	2
	100% Coconut	
Netting:	Type	
	Top: Organic Leno Weave Jute	Net Color
	Middle: None	Natural
	Bottom: Organic Leno Weave Jute	
Net Opening:	Top	Middle
	0.5" x 1.0"	Bottom
		0.5" x 1.0"
Thread:	Type	
	Biodegradable Thread	Color
		Natural
Roll Sizes:	Standard	
	"A" Size	
	Mega	
Width:	8 ft 2.4 m	4 ft 1.2 m
Length:	112.5 ft 34.3 m	16 ft 4.9 m
Weight*:	60 lbs 27.2 kg	112.5 ft 34.3 m
Area:	100 yd ² 83.6 m ²	60 lbs 27.2 kg
		120 lbs 54.4 kg
#/Pallet:	20	100 yd ² 83.6 m ²
		200 yd ² 167.2 m ²
	20	6
		20

*Weight at time of manufacturing.

Index Value Properties*:			
Property	Test Method	Typical	
Mass/Unit Area	ASTM D6475	9.50 oz/yd ²	322.1 g/m ²
Thickness	ASTM D6525	0.23 in	5.84 mm
Tensile Strength-MD	ASTM D6818	223 lb/ft	3.25 kN/m
Elongation-MD	ASTM D6818	11 %	
Tensile Strength-TD	ASTM D6818	150 lb/ft	2.19 kN/m
Elongation-TD	ASTM D6818	16.0 %	
Light Penetration	ASTM D6567	13 %	
Density / Specific Gravity	ASTM D792	N/A	g/cm ³
Water Absorption	ASTM D1117	340 %	

*May differ depending upon raw material variations

Slope Performance Design Values*:			
Property	Test Method	Value	
C-Factors	ASTM D6459	0.04	
Slope Length (L)	≤ 3:1	3:1-2:1	≥ 2:1
< 50 ft (15 m)	0.040	0.053	0.102
50 ft – 100 ft	0.060	0.084	0.120
>100 ft (30 m)	0.094	0.114	0.134

*Large-Scale Results obtained by 3rd Party GAI Accredited Independent Laboratory

Bench-Scale Testing* (NTPEP***):		
Test Method	Parameters	Results
ECTC Method 2 Rainfall	50mm (2in) / hr-30 min	SLR**=14.16
	100mm (4in) / hr-30 min	SLR**=18.25
	150mm (6in) / hr-30 min	SLR**=23.24
ECTC Method 3 Shear Resistance	Shear at .50 in soil loss	2.76 lb/ft ²
ECTC Method 4 Germination	Top soil; Fescue; 21 day incubation	501 %

*Bench scale tests should not be used for design purposes.

**Soil Loss Ratio=Soil Loss Bare Soil/Soil Loss with RECP=1/C-Factor

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Channel Performance Design Values*:			
Property	Test Method	Value	
Unvegetated Shear Stress	ASTM D 6460	2.25 lbs/ft ²	107.73 Pa
Unvegetated Velocity	ASTM D 6460	9.0 ft/s	2.74 m/s
Vegetated Shear Stress	NA	N/A	lbs/ft ² Pa
Vegetated Velocity	NA	N/A	ft/s m/s
Manning's N (Value Represents a Range)			0.025

*Large-Scale Results obtained by 3rd Party GAI Accredited Independent Laboratory