

PRODUCT AND SALES INQUIRIES

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ENVIRONMENTALLY
FRIENDLY



EASY INSTALL



STRENGTH IN
HEMP FIBRE



100% BIODEGRADABLE
AND COMPOSTABLE



WATER
HOLDING



SAFE FOR
WILDLIFE



Erosion Control

2022 Product Catalog

terrafibreTM

by
BIOCOMPOSITES
GROUP 



LEARN MORE AND CONNECT
WITH US @TERRIFIBRE

At Terrafibre, we design and build products that utilize the extraordinary mechanical qualities of the industrial hemp plant, most of which was previously considered waste. The strong yet lightweight fibres of the plant provide a sustainable growing media for hydroculture and agriculture from seed propagation through to harvest.



EROSION CONTROL BLANKET

Terrafibre Erosion Control Blankets use Canadian grown hemp fibres. The fibres are needle punched into a cellulose scrim backing, creating a 100% biodegradable non-woven mat with a consistent thickness. The scrim backing consists of recycled material with a minimum of 40% being post consumer content. String reinforcement is made of biodegradable rayon with three openings per lineal inch.

Terrafibre Erosion Control Blankets are used for the following applications: slope protection, reservoir embankments and spillways, culvert inlets and outfalls, dikes, levees and riverbanks. Terrafibre comes packaged in plastic shrink wrap.

Blanket has a functional longevity of 24 months
Rated on slopes up to 1H:1V
C-Factor - 0.0052 at 4" rainfall

TEST DESCRIPTION	TEST METHOD	TEST RESULTS
Water Absorption	ASTM D 1117 / ECTC	1049.3%
MD-Tensile Properties	ASTM D 6818	10.3 lb/in
TD-Tensile Properties	ASTM D 6818	7.9 lb/in
MD-Elongation	ASTM D 6818	84.4%
TD-Elongation	ASTM D 6818	61.5%
Thickness	ASTM D 6535	0.205 inches
Light Penetration	ASTM D 6567	55%
Mass/Unit Area	ASTM D 6475	300/sq m
Shear Stress	ASTM D 7207	2 lbs/ sq ft
Germination Improvement	ASTM D 7322	386%

STANDARD ROLL SIZE		
Width	4.0 ft (1.2 m)	8.0 ft (2.4 m)
Length	100 ft (30.5 m)	100 ft (30.5 m)
Weight	24.58 lbs (11.15 kg)	49.16 lbs (22.3 kg)
Area	400 sq ft (37.16 sq m)	800 sq ft (74.32 sq m)
MATERIAL		
Fibre	Industrial Hemp Fibre	0.479 lbs sq/yd 0.260 kg sq/m
Scrim Backing	Cellulose Based Rayon Fibre	0.073 lbs sq/yd 0.040 kg sq/m

500 gsm - Severe Service Use - Must hydro-seed over top of blanket after installation to ensure optimal product performance

Blanket has a functional longevity of 24 months
Rated on slopes up to 1H:1V
C-Factor - 0.0057 at 4" rainfall

TEST DESCRIPTION	TEST METHOD	TEST RESULTS
Water Absorption	ASTM D 1117 / ECTC	1049.3%
MD-Tensile Properties	ASTM D 6818	21.2 lb/in
CD-Tensile Properties	ASTM D 6818	16.1 lb/in
MD-Elongation	ASTM D 6818	88.5%
CD-Elongation	ASTM D 6818	69.4%
Thickness	ASTM D 6525	0.250 inches
Light Penetration	ASTM D 6567	15%
Mass/Unit Area	ASTM D 6475	500 gsm
Shear Stress	ASTM D 7207	>3 lbs/ sq ft
Germination Improvement	ASTM D 7322	>500%

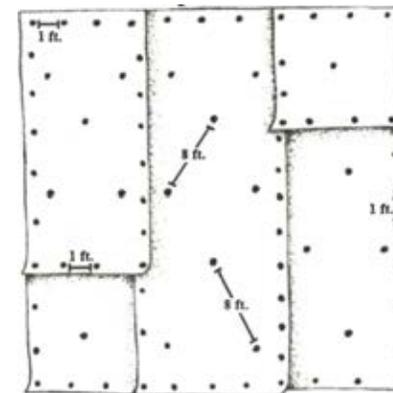
STANDARD ROLL SIZE		
Width	4.0 ft (1.2 m)	8.0 ft (2.4 m)
Length	100 ft (30.5 m)	100 ft (30.5 m)
Weight	40.97 lbs (18.59 kg)	81.93 lbs (37.17 kg)
Area	400 sq ft (37.16 sq m)	800 sq ft (74.32 sq m)
MATERIAL		
Fibre	Industrial Hemp Fibre	0.830 lbs sq/yd 0.450 kg sq/m
Scrim Backing	Cellulose Based Rayon Fibre	0.090 lbs sq/yd 0.050 kg sq/m



RECOMMENDED GUIDELINES

- Final grade must be correctly prepared, remove all large debris and rocks to allow blanket to have complete soil contact.
- Distribute seed and additional fertilizers before the blanket is installed.
- Stake 2-3 blankets down at a time with chosen staples to avoid wind from lifting blankets.
- Follow staple pattern to avoid wind damage.
- Ensure chosen staples are flush with the ground.
- If maintenance is required, cut a patch of Terrafibre and place over damaged area and secure firmly with generous staples.

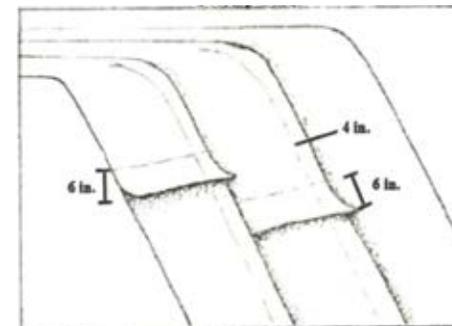
STAPLE GUIDE



SLOPE INSTALLATION

- Starting at the top of the slope, trench a hole 6" deep and 6" wide along the top edge of the slope you wish to install the blanket on (See Trench Guide Part A).
- Lay blanket in trench with 1 ft. excess material above the trench. Staple blanket into bottom of trench no more than 1 ft. apart (See Trench Guide Part B).
- Backfill trench, pack to grade, and staple excess blanket no more than 1 ft. apart. Unroll rest of blanket loosely to allow for the blanket to depress onto the soil (See Trench Guide Part C).
- Unroll the rest of the blanket down the slope with the hemp fibre side up. Secure the blanket in accordance with staple pattern on all edges 1 ft. apart and in a diamond pattern down the centre with 8 ft. apart (See Staple Guide).
- When adding additional blankets beside the original blanket, ensure a 4" overlap. When adding additional blankets below the original blanket, ensure a 6" overlap. Overlap shingle style so water flows over top of blanket (See Overlap Guide).

OVERLAP GUIDE



TRENCH GUIDE

