



by
BIOCOMPOSITES
 GROUP

Specification Sheet

Hemp Fibre Erosion Control Blanket

Product Description

Terrafibre Erosion Control Blankets use Canadian grown hemp fibres. These fibres are needle punched into a rayon fibre scrim backing, creating a 100% biodegradable non-woven mat with a consistent thickness. The scrim backing is a mesh type material made from 100% rayon fibres.

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 and each roll includes a manufacturer’s installation guide.

- **Blanket has a functional longevity of 24 months**
- **Rated on slopes up to 1H:1V**
- **C-factor - 0.0057 at 4"/hr of 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
CD - Tensile Properties	ASTM D 6818	7.9 lb/in
MD - Elongation	ASTM D 6818	84.4%
CD - Elongation	ASTM D 6818	61.5%
Thickness	ASTM D 6525	0.205 inches
Light Penetration	ASTM D 6567	55%
Mass/Unit Area	ASTM D 6475	300 gsm
Germination Improvement	ASTM D 7322	386%
Shear Stress	ASTM D 7207	> 2 lbs/sq ft

Standard Roll Sizes		
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 22.30 kg
Area	400 sq ft 37.16 sq m	800 sq ft 74.32 sq m
Material		
Fibre	Industrial Hemp Fibre	0.460 lbs/sq yd 0.250 kg/sq m
Scrim Backing	Rayon Mesh	0.090 lbs/sq yd 0.050 kg/sq m

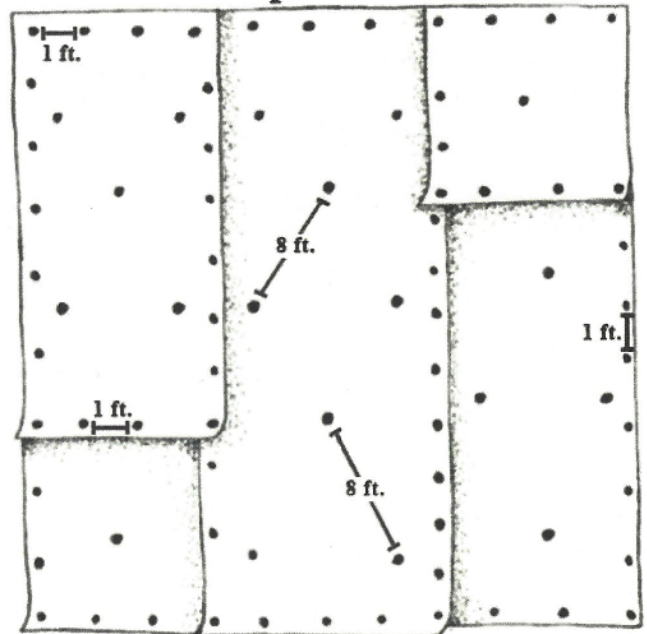
The following guidelines are recommended for the best performance of the Terrafibre Hemp Fibre Erosion Control Blanket:

- 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.
- Insure 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.

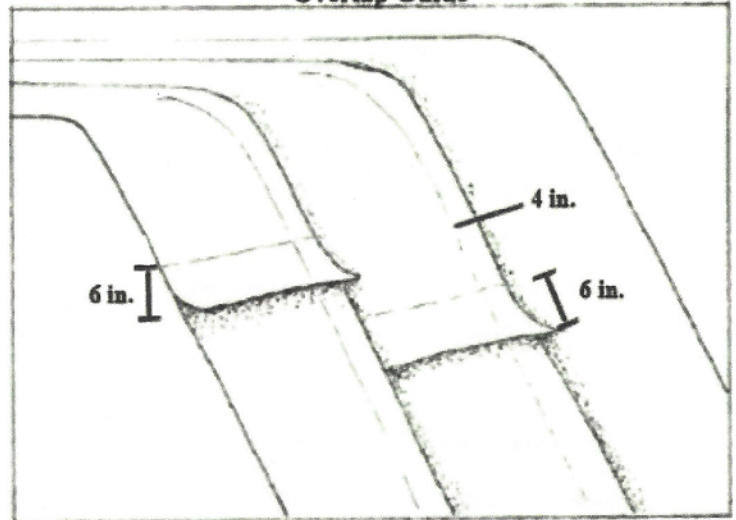
Slope Installation Guideline:

1. Starting at the top of the slope, trench a hole 6 inches deep and 6 inches wide along the top edge of the slope you wish to install the blanket on (see Trench Guide part A).
2. Lay blanket in trench with 1 foot excess material above the trench. Staple blanket into bottom of trench no more than 1 foot apart (see Trench Guide part B).
3. Backfill trench, pack to grade, and staple excess blanket no more than 1 foot apart. Unroll rest of blanket loosely to allow for the blanket to depress onto the soil (see Trench Guide part C).
4. 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 foot apart and in a diamond pattern down the centre with 8 feet apart (see Staple Guide).
5. When adding additional blankets *beside* the original blanket, ensure a 4 inch overlap. When adding additional blankets *below* the original blanket, ensure a 6 inch overlap. Overlap shingle style so water flows over top of blanket (see Overlap Guide).

Staple Guide



Overlap Guide



Trench Guide

