



Specification Sheet

Hemp Fibre Erosion Control Blanket

Product description:

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 40% being post consumer content. String reinforcement is made of biodegradable rayon with three openings per lineal inch.

Terrafibre blankets are used for the following applications: slope protection, ditch linings, 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 - 0.0052 at 4” of rainfall**

Bench Scale Testing:

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	300g/sq meter
Seed Germination Improvement	ASTM D 7322	386%
Shear Stress		2lbs/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		
Fiber	100% Hemp Fiber	0.479 lb/yd ² (0.260 kg/m ²)
Scrim Backing	Rayon String Recycled Pulp Tissue	0.073 lb/yd ² (0.040 kg/m ²)



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MADE IN CANADA



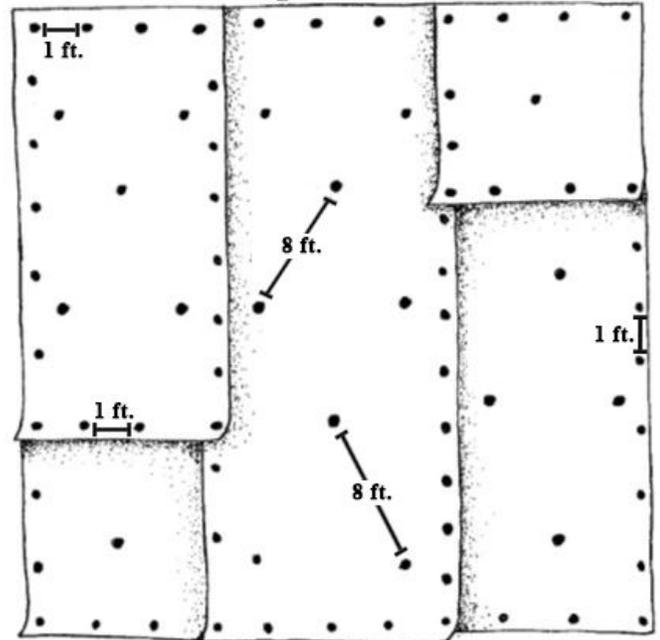
The following guidelines are recommended for the best performance of blanket:

- 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 Terrafibe and place over damaged area and secure firmly with generous staples.

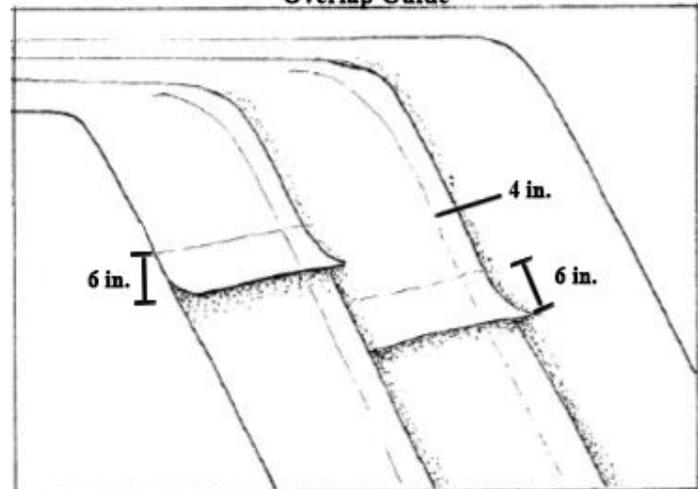
Slope Installation Guideline:

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 ft. apart and in a diamond pattern down the center with 8 ft. apart. (see staple pattern guide)
5. When adding additional blankets beside 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)

Staple Guide



Overlap Guide



Trench Guide

