

terrafibre

# HEMP FIBRE EROSION CONTROL BLANKET

Natural, Biodegradable Protection for Soil Stabilization & Reclamation Projects



**Product Material:** Industrial Hemp Fibre  
**Backing Material:** Cellulose-Based Rayon Fibre or Jute



## Product Description:

Terrafibre Erosion Control Blankets are high-performance mats for stabilizing soil, preventing sediment runoff, and promoting vegetation growth. Made from sustainably-grown Alberta hemp fibre with a recycled natural cellulose backing or jute, these mats are 100% biodegradable and decompose naturally without leaving behind harmful residues—making them ideal for environmentally sensitive projects and wildlife-friendly applications.

Engineered for slope stabilization, disturbed soil areas, roadside embankments, stream banks, mine reclamation, and agricultural applications, Terrafibre Hemp Erosion Control Blankets provide exceptional ground coverage while allowing water and nutrients to pass through. The natural fibre structure helps retain moisture, reduce surface temperature, and create a microclimate that supports seed germination, root development, and long-term vegetation establishment.

## Environmental Features:

- » **100% Natural & Biodegradable:** Made from Canadian-grown industrial hemp and recycled cellulose. Decomposes safely, improving soil health.
- » **Non-Animal Trapping:** Free of plastic netting and mesh; safe for wildlife crossings and nesting areas. (EC300 and EC500 only)
- » **Low Carbon Footprint:** Hemp's natural carbon capture gives these mats a restorative environmental impact.
- » **Soil Health Support:** As the blankets decompose, they contribute organic matter back into the soil, supporting microbial activity and long-term fertility.

## Product Features:

- » **Superior Soil Stabilization:** Dense, fibrous mat structure defends against wind and water erosion.
- » **Supports Vegetation Growth:** Enhances germination by maintaining moisture and shielding seeds from direct sunlight.
- » **Easy to Install:** Lightweight and flexible for quick handling, even on irregular terrain.
- » **Durable & Long-Lasting:** Designed for up to 24-36 months of functional longevity, with full biodegradation occurring naturally over time.

## Applications:

- » Soil stabilization & erosion control
- » Site reclamation & re-vegetation
- » Highway & utility corridor slope protection
- » Riverbanks, wetlands, & shorelines
- » Agricultural field perimeters & regenerative farming
- » Urban green infrastructure & restoration projects

## Available SKU's & Pricing:

Model	Fibre	Netting	Functional Longevity*	Animal Trapping	Price Per SQ FT	Qualified Account Price Per SQ FT**
EC300	100% Alberta-Grown Industrial Hemp	Cellulose Based Rayon Fibre	24 Months	No	Contact Us	Contact Us
EC500	100% Alberta-Grown Industrial Hemp	Cellulose Based Rayon Fibre	24 Months	No	Contact Us	Contact Us
EC346	100% Alberta-Grown Industrial Hemp	Double-Sided Jute	36 Months	Yes	Contact Us	Contact Us

\*Rated on slopes 1H:1V; C-factor - 0.0052 at 4" of rainfall\*\*  
 Qualified Account pricing is available to customers who exceed \$5,000 in annual purchases.

## Roll Sizes:

Width	Length	Weight	Coverage
4 ft	100 ft	24.6 lbs	400 sq ft / 37.16 sq m
8 ft	100 ft	49.2 lbs	800 sq ft / 74.32 sq m

**Note:** EC346 is also available with natural jute netting for added structure and slope hold in steeper or high-flow areas. EC346 is not considered non-trapping and should not be used in wildlife-sensitive areas.

**Performance Properties:**

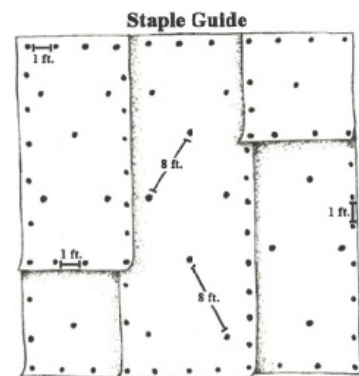
Model	Water Absorption	MD- Tensile Properties	TD- Tensile Properties	MD- Elongation	TD- Longation	Thickness	Light Penetration	Mass/ Unit Area	Germination Improvement	Shear Stress
EC300	1049.3%	10.3 lb/in	7.9 lb/in	84.4%	61.5%	0.205"	55%	300 gsm	386%	2lbs/sq ft
EC500	1049.3%	21.1 lb/in	16.1 lb/in	88.5%	69.4%	0.250"	15%	500 gsm	>500%	>3lbs/sq ft
EC346	255%	24.2 lb/in	34.65 lb/in	27.06%	34.97%	0.340"	17.9%	346 gsm	386%	
Test Method	ASTM D 1117/ ECTC	ASTM D 6818	ASTM D 6818	ASTM D 6818	ASTM D 6818	ASTM D 6535	ASTM D 6567	ASTM D 6475	ASTM D 7322	ASTM D 7207



**Recommended Guideline:**

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

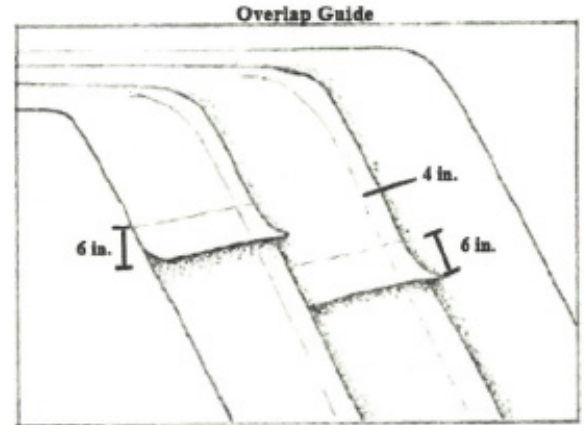
- » Final grade must be correctly prepared, remove all large debris and rocks to allow blanket to have complete soil contact.
- » Distribute seed and additional fertilizers before the blanket is installed.
- » Stake 2-3 blankets down at a time with chosen staples to avoid wind from lifting blankets.
- » 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.



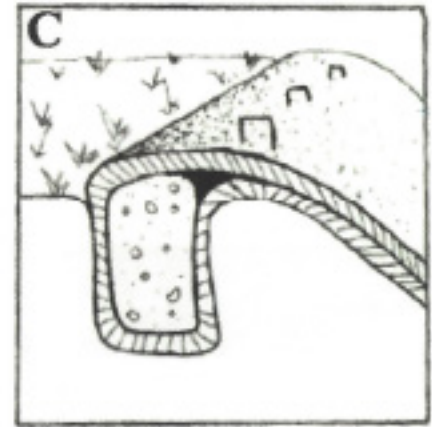
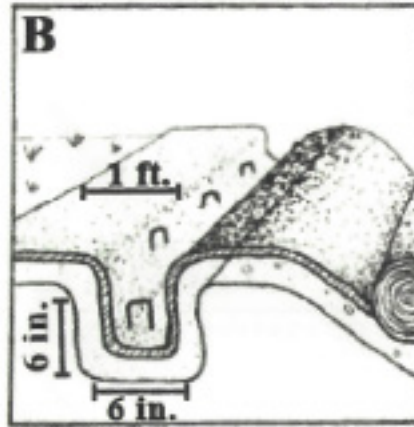
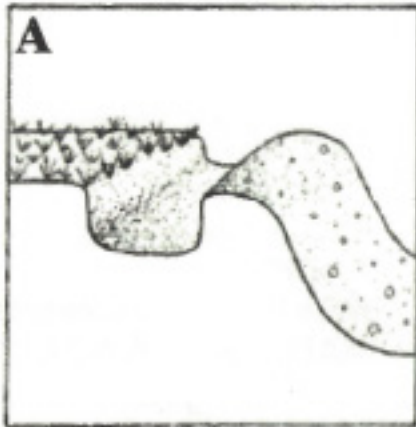
## Slope Installation Guideline:

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

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).



## Trench Guide



# CONTACT US

*Whether you're managing a construction site, restoring a natural area, or protecting slopes and shorelines, we're here to support your project.*

Let's talk about how Terrafibre Hemp Fibre Erosion Control Blankets can support your next project.

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