

**terrafibre**<sup>TM</sup>

ENGINEERED BY LIFE

# **Tree Squares**

***All natural weed suppressant***

BioCompositesGroup.com

**BIOCOMPOSITES**  
GROUP



## DESCRIPTION

Terrafibre™ tree squares improve the growth and survival of a tree seedling by preventing weeds from germinating or growing. Placed on the soil around the base of a tree seedling, Terrafibre™ protects seedlings from competitive weeds stealing light, nutrients, and moisture. The insulation properties of hemp ensure protection from temperature extremes, providing an ideal growing environment for a tree seedling.

## BENEFITS & FEATURES



### PRESERVES SOIL MOISTURE

- High water holding capabilities
- Traps moisture beneath squares.



### 100% BIODEGRADABLE

- Natural hemp fibres and a natural cellulose backing
- No synthetic fibres.
- 3 - 4 year longevity.



### CHEMICAL FREE

- Natural weed suppressant alternative
- Safe for humans, animals & the environment.



### INSULATION PROPERTIES

- Protection from temperature extremes.



### EASY TO INSTALL

- Simply slip a Terrafibre square around the base of an individual tree seedling.
- Lighter & easier to apply than mulches.



### CANADIAN MADE

- Terrafibre products use Canadian grown fibres that are cleaned and manufactured in Alberta.



### SOIL CONTACT

- Conforms to soil.
- Adaptability on uneven terrain.



### LIGHT BARRIER

- Allows zero light penetration, effectively suppressing weeds.



## INSTALLATION METHOD



Take one Terra fibre™ Tree Square.



Place square around tree seedling, ensuring both edges in slit are touching.



Hammer two stakes in diagonal corners to firmly secure square.



Terra fibre™ Tree Squares will suppress unwanted weeds while promoting seedling growth.

## ABOUT BIOCOMPOSITES GROUP



### ENGINEERED BY LIFE

BCG products are made with the underutilized byproduct of the hemp plant.



### BETTER PERFORMANCE

Hemp has a cellular structure that is extremely strong, light, flexible and versatile.



### ENVIRONMENTALLY FRIENDLY

Our products are 100% biodegradable & fully compostable.



## MATERIALS

Terrafibre™ consists of 100% Canadian hemp fibres that are needle punched into a biodegradable pulp backing. 40% of the backing consists of post consumer recycled material. This backing increases the strength of the squares and also increases the suppressing properties. Hemp is a natural, renewable and fully biodegradable resource that will break down in 3-4 years.

## QUALITY ASSURANCE

### Production:

- Density is tested regularly throughout production by weighing samples bi-hourly.
- Product is consistently monitored by multiple operators. If any variability is noticed, the mat is removed and tested again.

### Square sizing and slit:

- Using a die mold ensures consistent sizing.

### Sorting and packaging:

- Every square is again inspected for quality assurance.
- Counting is done manually.

## SPECIFICATIONS

Test Description	Test Method	Test Results
<b>Water Absorption</b>	ASTM D 1117/ ECTC	1032.4%
<b>MD- Tensile Properties</b>	ASTM D 6818	31.0lb/in
<b>TD- Tensile Properties</b>	ASTM D 6818	24.0 lb/in
<b>MD- Elongation</b>	ASTM D 6818	95.2%
<b>TD- Elongation</b>	ASTM D 6818	74.6%
<b>Thickness</b>	ASTM D 6535	0.50 inches
<b>Light Penetration</b>	ASTM D 6567	0%
<b>Mass/Unit Area</b>	ASTM D 6475	1000/gsm
<b>Shear Stress</b>	ASTM D 7207	6 lbs/sq.ft.
<b>Dimensions</b>		12" x 12" 16" x 16" 18" x 18"
<b>Longevity</b>		3-4 years

## PRODUCT INQUIRIES

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