



Agrotextiles



Biodegradables



Geotextiles



Specialist



Wildlife



Living Walls &  
Roofs



Accessories



### Ecotex MulchMat™

The first professional grade, weed control membrane made purely from organic material that is fully compostable, has a low carbon footprint and is naturally fire resistant is now available in the UK exclusively from Hy-Tex.

Ecotex MulchMat™ is an effective, easy to use and economical solution for low maintenance weed control and moisture conservation in planted areas. It may look and feel like conventional non-woven, petrochemical based weed control fabric but is the only membrane made purely from an environmentally friendly alternative called Polylactic Acid (PLA).

#### Strong and Robust

PLA is made entirely from annually renewable, starch rich vegetables with production requiring fewer fossil fuel resources and generating less greenhouse gases than traditional plastic fabrics.

#### 100% Biodegradable

Furthermore, Ecotex MulchMat™ is the only weed control fabric certified to the stringent EN 13432:2000 test for compostability - fully breaking down to nutritious matter and leaving no synthetic residues.

#### Visually Pleasing

Ecotex MulchMat™, which is earthy brown coloured, is also stronger, more durable and easier to handle than any previous "degradable" fabrics and resists airborne seed settlement far better.

#### Features/Benefits:

- Organic weed suppression
- Fully biodegradable
- Breaks down in 3 years or more
- Fire resistant
- Plastic free
- Effective weed control
- No chemicals - made from PLA with added hemp
- Strong and robust
- Low carbon footprint



Application Categories: Landscaping and Weed Control, Horticulture, Agriculture and Equestrian

Hy-Tex (UK) Limited  
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**Confused?**

Confused by all the terms used to describe degradability of plastics? These are the differences:

**Degradable**

Oil based plastics that break down through chemical reactions (e.g. sunlight and oxidation) making them brittle so they fragment into small micro-plastic pieces which can still pose a long term environmental hazard.

**Biodegradable**

Materials, often made from plant or animal sources, that break down through the action of naturally occurring micro-organisms (e.g. bacteria, fungi etc) over time. However, if buried they may break down under anaerobic conditions releasing methane (which has 62 times greater global warming potential than carbon dioxide).

**Compostable**

Similar to biodegradable plastics but "greener" as at least 90% of the material must break down into carbon dioxide, water and biomass of no more than 2mm within 12 weeks in a compostable environment, not produce any toxic material and should be able to support plant life. Products that meet these stringent tests are certified to the above standard.

Feature	Hy-Tex Ecotex MulchMat™ (Biocover)
Composition	95% PLA (Poly Lactic Acid) 5% hemp fibre needlefelt with heat fused underside
Colour	Brown
Weight [EN ISO 9864]	157g/m <sup>2</sup>
Thickness [EN ISO 9863-1]	0.90mm
Tensile Strength md/cd [EN ISO 10319]	3kN/m
Elongation md/cd [EN ISO 10319]	>40%
Water Permeability [EN ISO 11058]	125 L/m <sup>2</sup> /sec
Shade Factor	95%
UV Resistance [UK climate]	50% strength loss after approx 5 to 6 years
Biodegradability (Half life MW; 20°C - 70% RH)	max 1000 days
Compostability [EN ISO 13432]	Fully certified
Fossil Energy Usage (PLA resin)	34 MJ/kg
CO <sub>2</sub> Emission (PLA resin)	0 kg CO <sub>2</sub> /kg PLA
Smouldering Cigarette Test [EN ISO 12952 - 1/2]	No ignition
Roll Sizes	1.00 x 100.00m
	1.00 and 2.00m x 50.00m
	1.00 x 25.00m
Tree Mats	0.45 x 0.45m and 0.90 x 0.90m with slit to centre

**\*\*Made by a quality assured European manufacturer utilising wind turbine\*\***

it comes from nature ...



the sustainable solution

... and returns to nature



plants  
100% annually renewable sources



Wheat



Sugar Beet



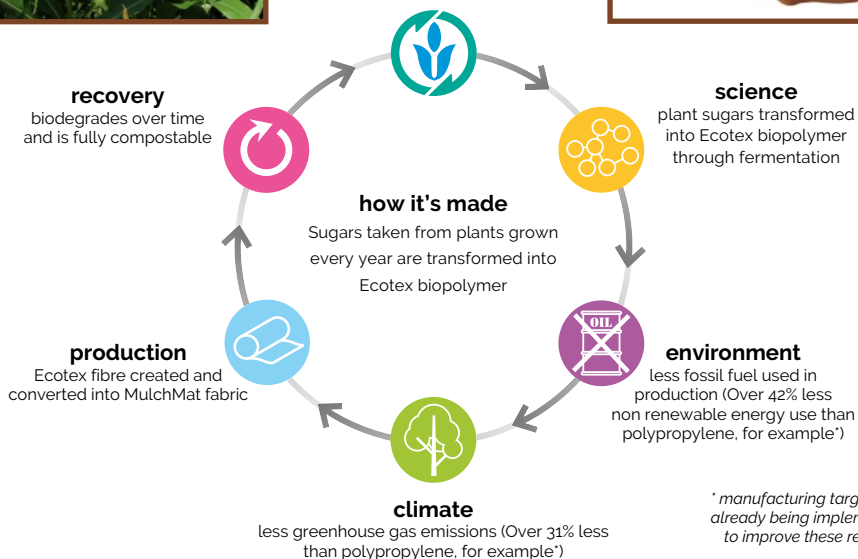
Corn



Sugar Cane

**Installation Recommendations:**

- minimum 150mm overlaps
- minimum 1 pin per m<sup>2</sup>



*\* manufacturing targets are already being implemented to improve these results*

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