



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

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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 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

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 ²
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 ² /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 ₂ Emission (PLA resin)	0 kg CO ₂ /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	0.50 x 0.50m and 1.00 x 1.00m cut to centre

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

it comes from nature ...

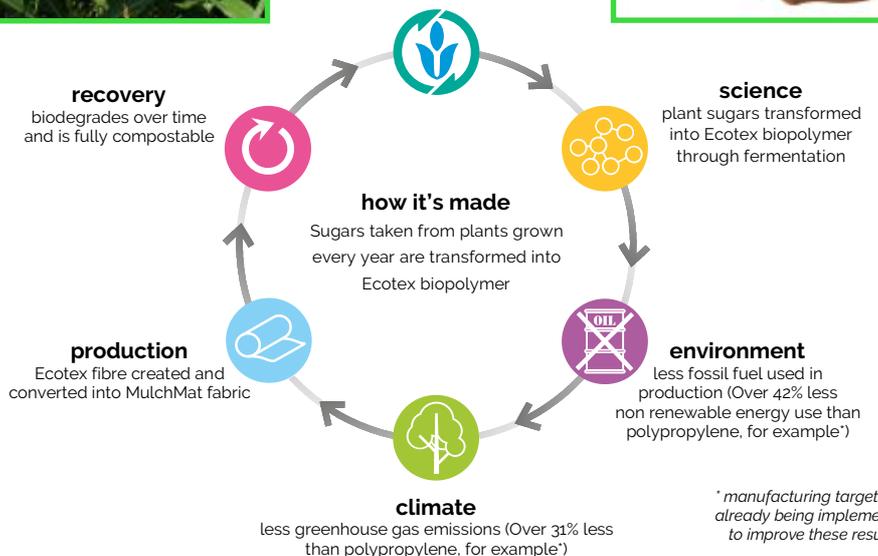


... and returns to nature



the sustainable solution

plants
100% annually renewable sources



* manufacturing targets are already being implemented to improve these results



compostable
EN 13432:2000



Wheat



Sugar Beet



Corn



Sugar Cane

Guidance

- We suggest 150mm overlaps as standard practice
- We suggest 1 pin per m²

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