

# BioFilm Sylva 80 μ

Long-life mulching film  
Certified "biodegradable in soil"

## An innovative mulching product

**BioFilm Sylva** is a biodegradable mulching film made from guaranteed GM-free vegetable oil and starch, specially designed for long-lasting protection of tree and shrub saplings.

Developed through in-depth scientific research on thermoplastic biopolymers and their degradation processes, BioFilm Sylva is an innovative product that will naturally degrade in soil through gradual bioassimilation by micro-organisms.

BioFilm Sylva is an environmentally friendly alternative to chemical weeding, synthetic plastic film and compostable mulch matting.



## Specially designed for tree maintenance work

Promotes the survival and rapid growth of trees and shrubs in parks and gardens, vineyards, hedges, agroforestry plantations, fruit orchards and woodlands.

Blocks all light to prevent weeds from proliferating and competing with saplings for water and minerals in the soil.

Maintains soil moisture and increases soil temperature, promoting growth of tree and shrub roots.

Prevents soils from drying out or eroding in adverse weather conditions.

Saves on maintenance work for up to 3 years, according to climatic conditions and soil fertility.



## Environmentally friendly

Finished product rigorously tested to meet the "OK biodegradable Soil" standard.

Certified "entirely degradable in soils with no harmful effect on the environment".

Gradual bioassimilation by soil micro-organisms with no ecotoxic residues.

Well received by the public: waste-free (no visual pollution) and no need for chemical herbicides.



Certified film with printed logo every 50 cm on the film

Easily identified to facilitate planting work

## Saves time and money

Guaranteed savings on herbicides and labour costs:

**BioFilm Sylva** saves years of maintenance around the base of trees and shrubs.

Easily rolled out thanks to its excellent mechanical properties. Stays firmly in place by burying or stapling the edges.

Also available in pre-cut 1 m<sup>2</sup> squares: flexible, lightweight and resistant for easy placing as required.

No need for costly, time-consuming collection and transport of worn film to a recycling or industrial composting centre.



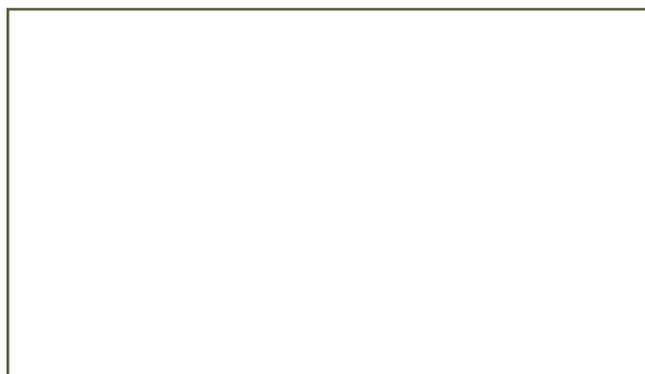
## Technical specifications

Characteristics	Value	Tolerance	Measurement standard
Composition	Biopolymer based on vegetable oil and starch (guaranteed GM-free)		
Biodegradability	Vinçotte certification "OK Biodegradable Soil"		
Observed useful life	24 to 36 months according to climatic conditions and soil fertility		
Colour	Black		
Thickness	80 μ	± 4 μ	ISO 4591
Light transmission	≤ 10 <sup>-2</sup> %	≤ 10 <sup>-2</sup> %	EN 2155-5
Longitudinal elongation at break	> 600 %	≥ 250 %	ISO 527-3
Longitudinal strain at break	> 19 Mpa	≥ 16 Mpa	ISO 527-3
Transverse elongation at break	> 650 %	≥ 250 %	ISO 527-3
Transverse strain at break	> 19 Mpa	≥ 16 Mpa	ISO 527-3
Dart impact resistance	> 500 cN	≥ 250 cN	ISO 7765-1

Packaging	Thickness	Basis weight	Width	Length
Rolls	80 μ	102 g/m <sup>2</sup>	1,00 - 1,10 - 1,20 m	350 m
			1,40 - 1,50 - 2,00 m	On request
Split squares			0,30 m	0,30 m
Custom sizes (unsplit)			1,10 m	On request

These technical specifications are indicative only and liable to change at any time. The manufacturers may not be held liable for any problem due to inappropriate or incorrect use of their products.

Unused rolls of film must be stored in their original packaging away from light and damp.



One palette = 7 km of BioFilm Sylva