

# Technical data sheet 'BIO-MULCHMATS'

Februar 2006

	TYPE 9				TYPE 10			
Fibre	Coir				Coir			
Fiber Content (%)	100%				100%			
Width (meter)	0,60	0,80	1,20	2,40	0,60	0,80	1,20	2,40
Length (meter)	30	30	30	30	30	30	30	30
Area (square meter)	18	24	36	72	18	24	36	72
Weight per Roll (kg)	12	16	25	50	12	16	25	50
Weight (gr./m <sup>2</sup> )	min. 600				min. 600			
Functional Longevity	24- 36 months				24- 36 months			
Thickness	10-15mm				10-15mm			
Mulchfoil Composition	Polyethylene				Polyethylene + Starch			
Weight of Mulchfoils	66gr./m <sup>2</sup>				66gr./m <sup>2</sup>			
Lifetime of Mulchfoils	48-60 months				36-48 months			
No. of bottom Mulchfoils	2 ea.				2 ea.			
Top Netting Type	Light				Light			
Top Netting Size	9 x 9 mm				9 x 9 mm			
Top Netting Weight	4,8 gr./m <sup>2</sup>				4,8 gr./m <sup>2</sup>			
Stitching thread	770 dtex				770 dtex			
Jutemesh between the Mulchfoils	NO				NO			
Water penetration (depending on steepness of area)	60 - 80%				60 - 80%			
Water holding capacity	5 - 10%				5 - 10%			
Evaporizing humidity protection	1 <sup>st</sup> & 2 <sup>nd</sup> year 95% 3 <sup>rd</sup> year 75%				1 <sup>st</sup> & 2 <sup>nd</sup> year 95% 3 <sup>rd</sup> year 75%			
Light transmissivity * (% of installed area)	1 <sup>st</sup> & 2 <sup>nd</sup> year 2% 3 <sup>rd</sup> year 10%				1 <sup>st</sup> & 2 <sup>nd</sup> year 2% 3 <sup>rd</sup> year 10%			
Weed control * (weeds in % per area)	1 <sup>st</sup> & 2 <sup>nd</sup> year >1% 3 <sup>rd</sup> year >5%				1 <sup>st</sup> & 2 <sup>nd</sup> year >1% 3 <sup>rd</sup> year >5%			
Slope recommendation	suitable for installation on flat areas and on slopes upto 1:1 or >							
<b>ASTM Standards</b>								
D4595 TensileStrength (kg/m)	113 x 46				113 x 46			
D4595 Elongation (%)	26 x 20				26 x 20			
Max Permissible Shear Stress (gram/m <sup>2</sup> )	1400				1400			
„n“ value Roughness Coefficient	0,014				0,014			

Stitching: All Blankets 4cm centers  
Thread: Cotton/polyester filament, degradable  
Fibre: GREENFIX uses the highest quality coconut fibre available in our blankets.

The specifications presented herein are to the best of our knowledge true and accurate. GREENFIX cannot guarantee or warranty our products, unless agreed to in writing for specific conditions, for performance since the manner of handling, use and installation are beyond our control.

SOILTEC guarantees that the complete GREENFIX Mulchmats System with all the advantages has a lifetime of 24 - 36 months. After approx. 24 months the coirfibre starts to degrade, so that some spots without coirfibre can be seen. The coirfibre will be degraded 100% after approx. 30-42 months. The PE-Mulchfoil\* of Type 9 will decompose within approx. 48-60 months. The Bio-Mulchfoil\*\* of Type 10 will decompose within approx. 36-48 months. Weed control is depending on the lifetime of the Mulchfoils.

## MULCHFOILS:

TYPE 9 Mulchfoil made of Polyethylen. Polyethylen decomposes by being exposed to light and does not pollute ground water.  
TYPE 10 The Bio-Mulchfoil contains starch. It decomposes into water and carbondioxide.

\*) depending also on quantity and type of plants, shrubbs, trees and correct installation