



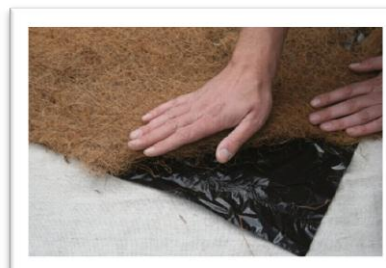
ECOMERCHANT COIR MULCHMAT – BIODEGRADABLE

Where landscape planting is required, particularly on slopes, Ecomerchant Coir Mulchmats provide mulching, moisture control, non-chemical weed control, soil erosion protection and soil temperature balance in one single operation.

We offer Type 10 in 1.2 m x 30 m and 2.4 m x 30 m and in squares 60 cm, 80 cm and 1.2 m

TYPE 10				
FIBRE – upper layer of blanket	COIR			
Fibre Content (%)	100%			
Width (m)	0.60	0.80	1.20	2.40
Length (m)	30	30	30	30
Area (m ²)	18	24	36	72
Weight Per Roll (kg)	11	14	22	40
Weight (g/m ²)	min. 530			
Functional Longevity	Up to 36 months			
Thickness	10-15 mm			
Mulchfoil Composition – under layer	PE made from starch - biodegradable			
Weight of Mulchfoils	66 g/m ²			
Lifetime of Mulchfoils	~36 months			
No. of Bottom Mulchfoils	2, each with off-set slits			
Top Netting Type	Oxygrid – see separate spec			
Top Netting Size	9 x 9 mm			
Top Netting Weight	4.8 g/m ²			
Stitching Thread	Polypropylene-thread (brown), UV-degradable			
Stitching Thread Tensile Strength	6.5 cN/dtex			
Water Penetration (depending on inclination of area)	60–80%			
Water Holding Capacity	5–10%			
Evaporating Humidity Protection	1 st & 2 nd year 95% 3 rd year 75%			
Light Transmission* (% of installed area)	1 st & 2 nd year 2% 3 rd year 10%			
Weed control*	1 st & 2 nd year >99% 3 rd year >95%			
Slope Recommendation	Suitable for installation on flat areas and on slopes up to 1:1 or greater			
STANDARDS				
ISO 10319 Tensile Strength	6.2 kg per 20 cm			
D4595 Elongation (%)	26 x 20			
Max Permissible Shear Stress (g/m ²)	1400			
“n” value Roughness Coefficient	0.014			

* depending also on quantity and type of plants, shrubs, trees and correct installation



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Ecomerchant Coir Mulchmat is a biodegradable blanket of upper layer of coir with two biodegradable foils underneath to prevent light penetration. The foils have off-set slits to allow water through. The mat is to be laid over the prepared earth, and rolled out in the direction of the slope.

The bottom membrane prevents loss of moisture, controls erosion and provides non-chemical control of weeds. The bottom membrane is manufactured from biodegradable plastic. Mulchmats provide weed control and mulching typically for at least 3 years.



Nursery-like conditions can be achieved easily and by environmentally friendly means. Ecomerchant Coir Mulchmats enhance growth without the need for further mulching, chemicals or large scale maintenance. The natural upper layer blends with landscaping, protects the bottom membrane from ultra-violet light, controls water shed from gradients and regulates soil temperature.

The Bio-Mulchfoil is made from starch. It decomposes into water and carbon dioxide. The degradation starts with UV-light and heat through e.g. micro-organism. The degradation of the Bio-Mulchfoil continues even in the night or cloudy weather conditions.

Features & Benefits of Ecomerchant Coir Mulchmat:

- Less plant stress and very low plant losses
- Non-chemical weed control for many seasons
- Allows solar radiation to raise and maintain the soil temperature for fast growth
- Avoids nitrogen sink effect experienced with bark mulches
- No need for aesthetic coverings, topping up or frequent visits
- Size ensures economical use
- For use where risk of accidental fire is of concern
- Low installation and maintenance costs

The specifications presented herein are to the best of our knowledge true and accurate. ECOMERCHANT 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 ECOMERCHANT Mulchmats System with all the advantages has a lifetime of 24 - 36 months. After approx. 24 months the coir fibre starts to degrade, so that some spots without coir fibre can be seen. The coir fibre will be degraded 100% after approx. 30-42 months. The Bio-Mulchfoil** of Type 10 will decompose after approx. 36 months. Weed control is dependant on the lifetime of the Mulchfoils.

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