

MULCHMAT TYPE 10 – BIODEGRADABLE MULCHMAT

Where landscape planting is required, particularly on slopes, Greenfix 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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Greenfix Mulchmat Type 10 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. Greenfix 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 Mulchmat Type 10:

- 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

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