



Mulchmat Type 10

Biodegradable Mulchmat

Where landscape planting is required, particularly on slopes, 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 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 | 10-15mm | | | |
| Mulchfoil Composition - under layer | PE made from starch - biodegradable | | | |
| Weight of Mulchfoils | 66g/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 9mm | | | |
| Top Netting Weight | 4.8g/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 Hold Capacity | 5-10% | | | |
| Evaporating Humidity Protection | 1st & 2nd year 95% 3rd year 75% | | | |
| Light Transmission* (% of installed area) | 1st & 2nd year 2% 3rd year 10% | | | |
| Weed Control* | 1st & 2nd year >99% 3rd year >95% | | | |
| Slope Recommendation | Suitable for installation on flat areas and on slopes up to 1:1 or greater | | | |
| STANDARDS | | | | |
| ISO10319 Tensile Strength | 6.2kg per 20cm | | | |
| 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.

Green-tech endeavour to ensure that the information given on this technical data sheet is accurate, but accept no liability for its use or its suitability for particular application.

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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. 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 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

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 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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