

BIOMAC WOOLMULCH/GRASSTRIKE
BIODEGRADABLE WOOL MATTING

Biomac-Woolmulch is a fully biodegradable wool matting reinforced with a jute mesh used in establishment of trees, shrubs and groundcovers in landscape planting's. Manufactured in New Zealand, utilising a renewable resource, **Biomac-Woolmulch** is the environmental solution to plant establishment.

Biomac-Woolmulch R500 inhibits weed development during early plant establishment, reduces soil moisture loss, insulates and fully biodegrades releasing valuable plant nutrients so providing ideal conditions for rapid establishment of plants while also providing surface erosion protection.

Biomac-Grasstrike R300 is used specifically for the application as an erosion control and grass establishment matting in the front face of Maccaferri Green Terramesh units and wrap around geogrid reinforced slope systems. **Biomac-Grasstrike R300** may also be used for temporary erosion protection and grass establishment on slopes.

SPECIFIC APPLICATIONS.

Landscaping

Bank planting's of shrubs and groundcovers for road edge, industrial and domestic sites.

Horticulture

Orchard tree/vine establishment.

Revegetation

Re establishment of N.Z. native plants.

BENEFITS OF BIOMAC-WOOLMULCH

FULLY BIODEGRADABLE:

No unsightly partly degraded material to remove as with other synthetic weed mats. Rate of degradation is dependent on soil conditions i.e. if soil/Woolmulch is continually wet, it will degrade more rapidly. Indications suggest **Biomac-Woolmulch R500** will take 18 months to 2 years to degrade totally.

RETAINS WATER

Biomac-Woolmulch R500 is hygroscopic, absorbing up to 40% of it's own weight in water. It will allow water movement through to the soil while reducing the loss of water from the soil, so increasing the efficiency of irrigation systems.

INSULATES

The natural insulation properties of wool protect the soil against extremes in temperature i.e. frosts.

SUPPLIES VALUABLE PLANT NUTRIENT:

Growth is enhanced as **Biomac-Woolmulch R500** fully biodegrades releasing Nitrogen and micronutrients.

Chemical Composition of Biomac-Woolmulch	% by weight
Organically bound - Nitrogen	14.20
Organically bound - Sulphur	2.50
Sodium	0.11
Potassium	0.29
Magnesium	0.05

ENVIRONMENTAL

Suitable for New Zealand native revegetation programmes. Inhibits weed development while allowing establishment by natural seeding. Fully biodegradable leaving no synthetic residues.

SPECIFICATIONS

Product	Woolmulch	Grasstrike
Composition:	R500 Wool fibre +jute mesh	R300 Wool fibre + jute mesh
Weight:	500g/m ²	300g/m ²
Roll Sizes:	1.8 x 30m	1.6 x 30m

NOTE:

Biomac-Woolmulch R500 may be used on slopes up to 45 degrees. Installation on steeper slopes may be possible with increased pinning intensity. Pin selection should be based on soil type and level of compaction.

Biomats by nature of their manufacture will provide a surface for airborne seeds to settle on and germinate.

INSTALLATION

Biomac-Woolmulch R500 will give the best results when installed over bare soils, cleared of existing weeds and should **NOT** be used to control or smother out established weeds. Aggressive weeds and grasses such as kaikuyu and couch will not be suppressed using Woolmulch.

STEPS FOR INSTALLATION

1. Site Preparation

- Spray all existing weeds with a suitable herbicide paying special attention to control of vigorous creeping grasses i.e. Kaikuyu, Twitch, Couch.
- The area should be evenly contoured so good soil/fabric contact is achieved.

2. Laying of **Biomac-Woolmulch R500**

- Roll Woolmulch down the slope.
- Trench in (100-200mm) the top and bottom edges.
- Joins should be overlapped by minimum of 100mm.
- Secure all joints by pinning with ground staples. (Typically 230mm long “u” staple)
- Pins should be placed every 0.5m to 1.0m. (See Figure 1)
- Pin into depressions to ensure intimate soil contact.

NOTE:

Where soil is loosely compacted or hard/rocky, longer heavy duty ground staples may be required. Pin selection should be based on soil type and level of compaction.

3. Planting

- Once **Biomac-Woolmulch R500** is secured in place, cut using sharp scissors or knife and insert plant.
- Close Woolmulch around the plant and pin to fix Woolmulch in place.
- **Biomac-Woolmulch R500** edges will not fray so do not require folding.

Biomac—Grasstrike R300.

- Installation with Maccaferri Terramesh Green see separate specification sheet.
- For installation on slopes, refer to steps for

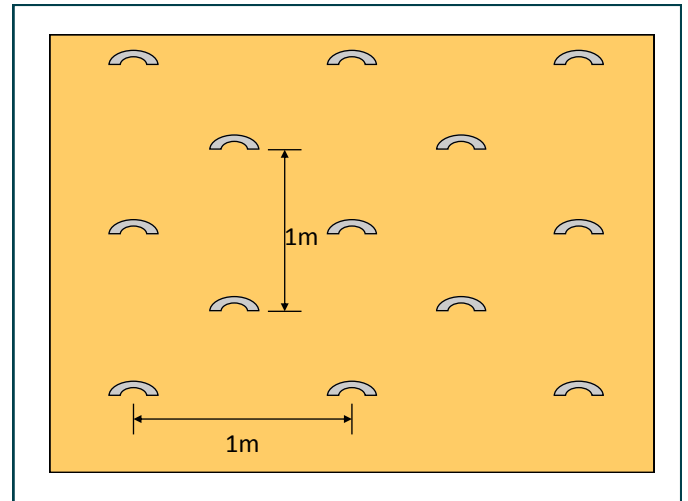


Figure 1

TYPICAL PINNING DETAIL

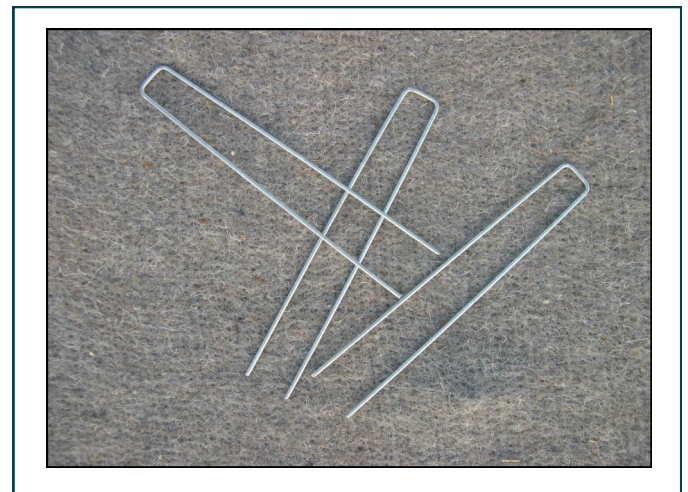


Figure 2

WOOLMULCH R500 WITH TYPICAL GROUND STAPLES



Figure 3

GRASS GERMINATING THROUGH GRASSTRIKE R300

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