

TERRA LANA  
**DAGMAT**<sup>®</sup>  
WOOL WEED MATTING  
PRODUCT DATA & SPECIFICATIONS

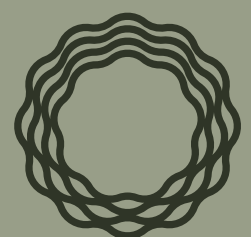
PRODUCT DATA TABLE

APPLICATIONS & GSM TABLE

BENEFITS & COMPARISONS

INSTALLATION

FIXING PEGS



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# PRODUCT TABLE TERRA LANA **DAGMAT**® WOOL MATTING

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When selecting the specific GSM product for your project, the main consideration is:

The higher the GSM the lower the maintenance costs for the first 12-24 months (weeding/spraying/traffic management).

PRODUCT	STABILISATION	WEED CONTROL	EFFECTIVE LIFETIME subject to conditions	WIDTH x LENGTH	M <sup>2</sup> /ROLL	COVERAGE WITH 200mm OVERLAP	CODE
• Low    ••••• Very High							
<b>300</b> GSM	••	••	•• ≤8mths	2.1m x 50m	105m <sup>2</sup>	95m <sup>2</sup>	DMR300.210.50
<b>500</b> GSM	•••	•••	••• ≤18mths	2.1m x 30m	63m <sup>2</sup>	57m <sup>2</sup>	DMR500.210.30
<b>750</b> GSM	••••	••••	•••• ≤24mths	2.1m x 20m	42m <sup>2</sup>	38m <sup>2</sup>	DMR750.210.20
<b>1000</b> GSM	•••••	•••••	••••• ≤36mths	2.1m x 15m	31.5m <sup>2</sup>	28m <sup>2</sup>	DMR1000.210.15



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# APPLICATIONS TERRA LANA **DAGMAT®** WOOL MATTING

DAGMAT® is highly effective for use in ground stabilisation, weed suppression and planting protection & enhancement applications

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## KEY BENEFITS

- 100% biodegradable on ground and in water
- Enhances plant & vegetation growth
- Increases soil quality by releasing vital nutrients
- Typically 2x stronger than coconut coir matting
- Fire resistant – see test reports
- Proven in NZ conditions for over 15 years
- Third party tested for compliance & performance

## GENERAL APPLICATIONS

- Plant establishment & re-vegetation
- Ground stabilisation & erosion control
- Motorway & Civil landscaping
- High fire risk areas
- Seed germination protection
- Dust mitigation

## SPECIFIC APPLICATIONS

- Re-vegetation of slopes & riverbanks
- Road, rail & sound barrier embankments
- Wetland construction & establishment
- Low flow stormwater channels
- Swale Drains
- Coastal sites
- Highly erodible soils
- Heavy rainfall areas
- High-wind sites
- Underwater-weed bed suppression/pond stabilisation
- Quarry, Landfill and Mining rehabilitation
- Parks, Golf Courses & Sports Grounds
- Soil stockpile stabilisation
- Lining Gabion Baskets for retaining walls
- Green roof or wall

## APPLICATION GUIDE

### DAGMAT GSM

Performance scale: • Poor ••••• Optimal

	300	500	750	1000
ACOUSTIC BUND	•	•••	••••	•••••
MOTORWAY BATTER	•	•••	••••	•••••
WETLAND PLANTING	••	•••	••••	•••••
RIPARIAN PLANTING	••	•••	••••	•••••
SEED & GRASS STRIKE	•••••			
GABION BASKETS LINING	•••••			
UNDERWATER APPLICATIONS	•••	•••	••••	•••••
STORMWATER SWALES	•	•••	••••	•••••



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# BENEFITS OF TERRA LANA WOOL DAGMAT®

## NZ'S PERFECT WEED MATTING



### MADE IN NZ

Manufactured in our Christchurch facilities for quality assurance, dependable supply and low environmental impact



### 100% WOOL

We source as much as we can directly from local Canterbury farms, reducing transport and supporting NZ's wool industry



### LESS MAINTENANCE

DagMat is densely needle-felted providing highly effective weed suppression, which reduces weeding and spray maintenance



### WATER RETENTION

DagMat absorbs and releases up to three times its weight in water. This can reduce irrigation requirements and assist plant establishment



### EROSION CONTROL

DagMat stabilises the ground and reduce erosion by adhering to soil. It has a unique scale-like structure, which catches and filters sediment



### NATURAL FERTILISER

As DagMat biodegrades, essential nutrients such as nitrogen and potassium are released to improve soil health and boost plant growth



### FROST PROTECTION

DagMat has natural insulative properties that protect tender plant roots from cold and frost damage



### CUSTOM ORDERS

Custom widths and lengths are available for bulk orders, reducing waste and installation time



### FIRE RESISTANT

Wool is renowned for its flame resistant properties—it will only smolder, then self extinguish

	DAGMAT	COCONUT COIR	JUTE	RECYCLED WOOL**
Biodegradable	.....	....	.....	*
Uses Local material	...	X	X	X
Made in NZ	....	X	X	.....
Weed Suppression	.....	..	.....	.....
Fire Resistant	.....	X	X	*
Tensile Strength	.....	..	*	*
Eco Choice NZ Certified	.....	X	X	X

\*No data available \*\*Generally grey in colour and may contain synthetic fibres and dyes that are harmful to the environment.



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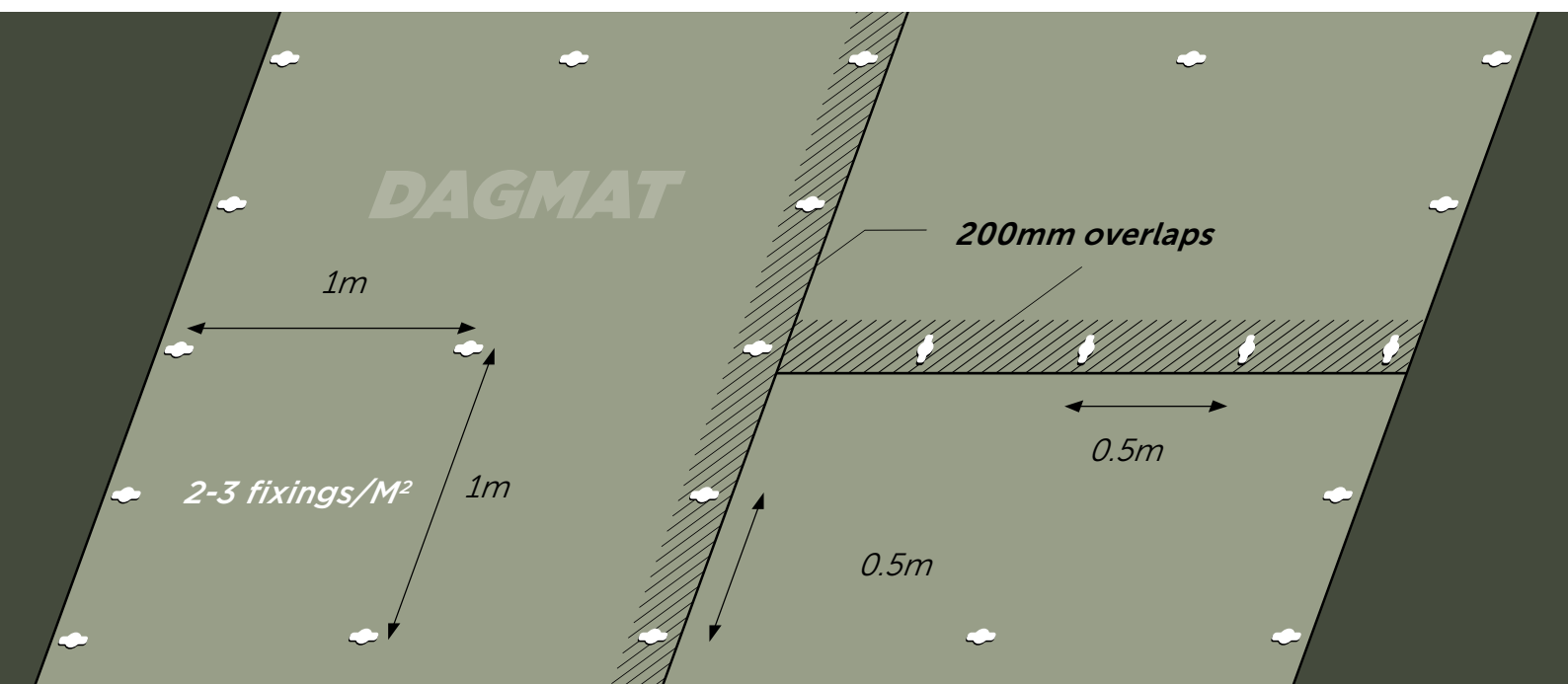
# INSTALLATION TERRA LANA **DAGMAT**® WOOL MATTING

DAGMAT® weed matting is easy to install, and ensuring its unique benefits are fully maximized requires proper installation based on site conditions.

## FLAT & GENTLY SLOPING SITES

For sites <25° and not exposed to high wind or water flow, clear area of weeds, grass and obstacles—spraying may be required. Good contact with the soil is critical to adhere DagMat to the ground. Loosely lay matting with a minimum of 200mm

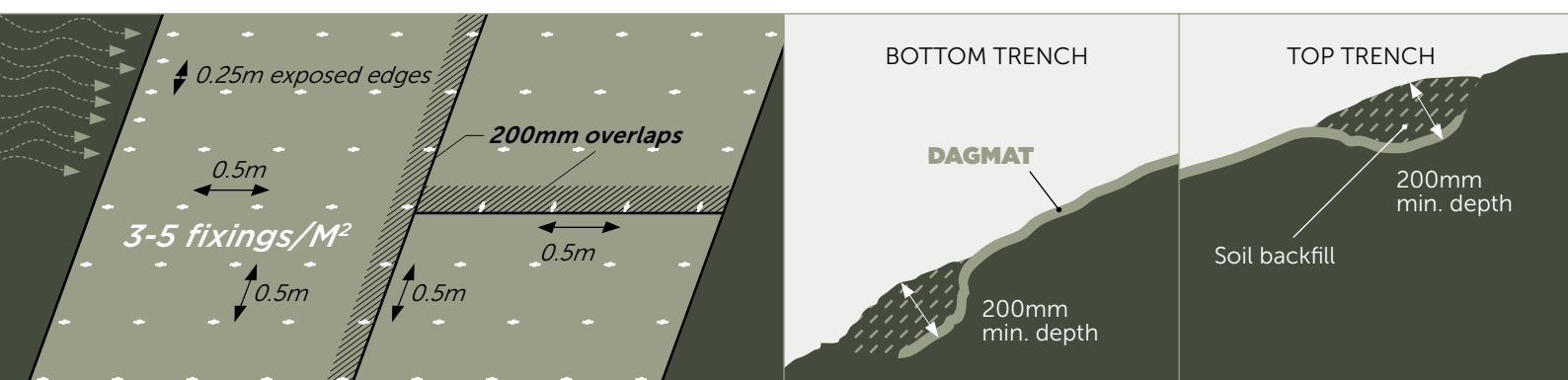
overlap. **Do not stretch or pull tight** as the matt may shrink after exposure. Fix with TerraPegs every 500mm along all edges and every 1m in center. Use a sharp knife to cut plant insertions. Use 2-3 pegs/fixings per M<sup>2</sup>.



## SLOPING OR EXPOSED SITES

In exposed windy areas, bury any prevailing exposed edges. For steeper gradients and areas subject to flood flow, we recommend using closer fixing centres (of approximately 500mm) and a heavier gsm DagMat. Use longer TerraPegs

or ground staples for better holding power. For vulnerable exposed edges, pegs may be inserted at closer intervals. Overlaps to be determined by prevailing winds. Use 3-5 fixings per M<sup>2</sup>.



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# RECOMMENDED FIXINGS FOR TERRA LANA **DAGMAT**<sup>®</sup>

Choose fixings according to conditions: hard - soft ground, slope, wind and water exposure factors. Longer fixings give greater holding power.

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## TERRAPEG

BIODEGRADABLE

The barbed design of TerraPeg fixing pegs provide resistance much greater than wood or steel staples. This feature insures better holding power to anchor Dagmat.

- Sugar-based 100% renewable resource
- 2-3 x stronger holding power than steel staples of equal length
- Biodegrades in 3-5 years (depending on conditions)
- Install using a TerraPeg Driver (from Terra Lana) or mallet.

### TRULY BIODEGRADABLE

TerraPegs are manufactured from a sugar-derived bio-resin (ASTM-D6866 and Vincotte Class 4 highest cert.) as a durable peg that biodegrades over time in the ground (ASTM-D6954)—unlike many biodegradable plastics that compost only in facilities at 40-60°C (ASTM D6400).



	LENGTH	LIFETIME	USE
TerraPeg 150	<b>150</b> mm	3-5 yrs+	≤750gsm. Mallet/Driver
TerraPeg 200	<b>200</b> mm	3-5 yrs+	≤1000gsm. Mallet

#### FIXING

#### FORCE TO REMOVE

TERRAPEG 150mm

4.9 kg

STEEL STAPLE 150mm

1.8 kg

3rd party testing conducted by Trace Laboratories, Inc.

TERRAPEG 150

STEEL STAPLE 150



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