

## Greenfix Covamat™ Fresh Type 1 Pre-seeded Erosion Control Blanket

### Application and Benefits

Greenfix Covamat Fresh Type 1 is an organic, biodegradable, Straw Erosion Control Blanket which is pre-seeded with the choice of one of Greenfix's standard seed mixes. Covamat Fresh improves poor soil conditions with the addition of organic fertiliser, micro-organisms and 5mm of topsoil. The additional layer of topsoil, which is exclusive to the Covamat Fresh allows seeds to commence germination once the rolls are manufactured. Due to this Covamat Fresh requires immediate installation upon delivery. Covamat Fresh is specifically designed for freshly soiled inherently stable embankments, new slope cuttings, lake edgings and road ditches.



### Product Characteristics

Properties	
Fibre Content	100% Straw
Thickness	10-20mm
Blanket Weight	~1950g/m <sup>2</sup>
Fibre Weight	~420g/m <sup>2</sup>
Seed Mix Weight	~30g/m <sup>2</sup>
Mulchlayer Weight	~100g/m <sup>2</sup>
Paper Backing Weight	~30g/m <sup>2</sup>
Organic Fertiliser Weight	~80g/m <sup>2</sup>
Substrate Soil TSK-1 Weight	1300g/m <sup>2</sup>
Functional Longevity	9 -12 Months
Roll Sizes	1.2m x 25m OR 2.4m x 25m
Structure	
Netting Type	Oxygrid®
Bottom Netting Size	8 x 9mm
Top Netting Size	12 x 13mm
Bottom Netting Weight	4.8g/m <sup>2</sup>
Top Netting Weight	7.1g/m <sup>2</sup>
Stitching Thread	Polypropylene-thread (Brown) UV Degradable
Slope Recommendations	1:3 -1:2
Flow Recommendations	1.8 m/s
Standards	
Tensile Strength ISO-10319 (kN/m MD X TD)	3.5 x 1.2
D4595 Elongation (%) (MD x TD)	18.4 x 14.9
D4491 Flow Velocities, Short Term	2.74m/s
Max Permissible Shear Stress	850 g/m <sup>2</sup>
"n" Values Roughness Coefficient	0.019

## Greenfix Standard Seed Mixes

The following standard seed mixes are for use within Greenfix Pre-seeded Erosion Control Blankets. Please make Greenfix aware of the seed mix selection when placing an order. A Wildflower Seed Mix can be added to any of the below seed mixes upon request, please note this will incur an extra cost of £0.35m<sup>2</sup>.

Please note clovers and legumes are added where poor soil conditions exist but should not be used in good quality soils as they can dominate. They fix Nitrogen into the soil to improve fertility, which is good for swales and ponds.

Wetland Seed Mix (1A)		
Rapid establishment and hard wearing, good for steep slopes and flood endangered areas. Excellent sod forming and erosion protection, strong root development, salt resistant.		
Mix %	English Name & Advantages	Latin Name
30%	Perennial ryegrass; Quick to establish, wear tolerant and regenerative	Lolium perenne
30%	Creeping red fescue; binds, drought and salt tolerant, good erosion protection	Festuca rubra rubra
30%	Chewings fescue; low maintenance, good for dry low nutrient soil, shade tolerant	Festuca commutata
10%	Smooth stalked meadow grass; binds soil, good wear and regenerative qualities	Poa pratensis

Standard Seed Mix (1C)		
As per 1A and with clover added for poor soils. Most widely used mix. Good for road embankments, swales and coastal applications.		
Mix %	English Name & Advantages	Latin Name
27%	Perennial ryegrass; Quick to establish, wear tolerant and regenerative	Lolium perenne
27%	Creeping red fescue; binds, drought and salt tolerant, good erosion protection	Festuca rubra rubra
27%	Chewings fescue; low maintenance, good for dry low nutrient soil, shade tolerant	Festuca commutata
12%	Smooth stalked meadow grass; binds soil, good wear and regenerative qualities	Poa pratensis
3%	Red Clover; dark pink flower, nitrogen fixing	Trifolium pratensis
2%	White clover, spreads rapidly in moist soil	Trifolium repens
1%	Birdsfoot trefoil; used in dry, sandy soils	Lotus corniculatus
1%	Yellow trefoil; thrives in dry conditions	Medicago lupulina

Low Maintenance Seed Mix (2A)		
Low maintenance, shade tolerant. Use in better quality soils. Strong root development and erosion protection. Salt resistant.		
Mix %	English Name & Advantages	Latin Name
35%	Creeping red fescue; binds, drought and salt tolerant, good erosion protection	<i>Festuca rubra rubra</i>
30%	Chewings fescue; low maintenance, good for dry low nutrient soil, shade tolerant	<i>Festuca commutata</i>
30%	Smooth stalked meadow grass; binds soil, good wear and regenerative qualities	<i>Poa pratensis</i>
5%	Brown top bent; cold tolerant, low maintenance, rhizomous, very dense growth	<i>Agrostis tenuis</i>

Dry and Stony Soil Seed Mix (2B)		
Dry stony soils, strong root development, erosion protection and salt resistant.		
Mix %	English Name & Advantages	Latin Name
25%	Creeping red fescue; binds, drought and salt tolerant, good erosion protection	<i>Festuca rubra rubra</i>
30%	Chewings fescue; low maintenance, good for dry low nutrient soil, shade tolerant	<i>Festuca commutata</i>
20%	Smooth stalked meadow grass; binds soil, good wear and regenerative qualities	<i>Poa pratensis</i>
5%	Brown top bent; cold tolerant, low maintenance, rhizomous, very dense growth	<i>Agrostis tenuis</i>
20%	Sheeps fescue; for poor soils, drought tolerant, densely tufted	<i>Festuca ovina</i>

Poor Soil Seed Mix (2C)		
Low maintenance, shade tolerant. Use in better quality soils. Strong root development and erosion protection. Salt resistant. Added clover for poor soil conditions.		
Mix %	English Name & Advantages	Latin Name
25%	Creeping red fescue; binds, drought and salt tolerant, good erosion protection	<i>Festuca rubra rubra</i>
25%	Chewings fescue; low maintenance, good for dry low nutrient soil, shade tolerant	<i>Festuca commutata</i>
10%	Smooth stalked meadow grass; binds soil, good wear and regenerative qualities	<i>Poa pratensis</i>
5%	Brown top bent; cold tolerant, low maintenance, rhizomous, very dense growth	<i>Agrostis tenuis</i>
28%	Sheeps fescue; for poor soils, drought tolerant, densely tufted	<i>Festuca ovina</i>

2C Seed Mix continued on following page

3%	Red Clover; dark pink flower, nitrogen fixing	Trifolium pratensis
2%	White clover, spreads rapidly in moist soil	Trifolium repens
1%	Birdsfoot trefoil; used in dry, sandy soils	Lotus corniculatus
1%	Yellow trefoil; thrives in dry conditions	Medicago lupulina

Pioneer		
For poor soils with establishment problems. 50 g/m2 Please note: this seed mix will incur an extra cost of £0.20m2.		
Mix %	English Name & Advantages	Latin Name
25%	Perennial ryegrass; Quick to establish, wear tolerant and regenerative	Lolium perenne
25%	Creeping red fescue; binds, drought and salt tolerant, good erosion protection	Festuca rubra rubra
10%	Brown top bent; cold tolerant, low maintenance, rhizomous, very dense growth	Agrostis tenuis
15%	Sheeps fescue; for poor soils, drought tolerant, densely tufted	Festuca ovina
7%	Red Clover; dark pink flower, nitrogen fixing	Trifolium pratensis
7%	White clover, spreads rapidly in moist soil	Trifolium repens
2%	Birdsfoot trefoil; used in dry, sandy soils	Lotus corniculatus
3%	Yellow trefoil; thrives in dry conditions	Medicago lupulina
2%	Suckling clover (Irish Shamrock)	Trifolium dubium
4%	Alsike clover	Trifolium hybridum