

Greenfix Embankment Mat 400S Pre-seeded Heavy Duty Erosion Control Blanket

Application and Benefits

Greenfix Embankment Mat 400S is a pre-seeded heavy duty composite erosion control blanket consisting of a 100% coir blanket between two high-strength coir nets. Embankment Mat is designed for use on inherently stable freshly soiled slopes and embankments which are vulnerable to extreme erosion. Embankment Mat can also be used along riverbanks and watercourses which are subject to high-velocity water flows. Embankment Mat 400S is pre-seeded with the choice of one of Greenfix's standard seed mixes.



Product Characteristics

Properties	
Fibre	100% Coir
Total Weight	~950g/m ²
Functional Longevity	36 Months
Top Netting Type	Coir Netting 400g/m ²
Mid Netting Type	12 x 13mm - 7.3g/m ²
Bottom Netting Type	6 x 6mm - 5.1g/m ²
Seed Mix Weight	35 -50g/m ²
Mulchlayer Weight	~100g/m ²
Paper Backing Weight	~30g/m ²
Micro-Organisms	Bacillus Subtillis 1g/m ²
Organic Fertiliser Type SOF-A-100	~100g/m ²
Stitching Thread Tensile Strenght	50 cN/dtex
Roll Sizes	1.2m x 25m OR 2.4m x 25m
Weight Per Rolls	24kg / 48kg
Standards	
Warp Threads per 10cm	4.6
Weft Threads per 10cm	4
Mesh Width	~18 x 21mm
Tensile Strength in ends direction	700 daN/m
Tensile Strength in picks direction	600 daN/m
Open Area	65%
Binding Point Distance	>2.0 / <2.5cm
Recommended Slope	1:3 -1:2
Recommended Flow	2.4m/s (8 fps)

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 £0.35m².

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	Festuca rubra rubra
30%	Chewings fescue; low maintenance, good for dry low nutrient soil, shade tolerant	Festuca commutata
30%	Smooth stalked meadow grass; binds soil, good wear and regenerative qualities	Poa pratensis
5%	Brown top bent; cold tolerant, low maintenance, rhizomous, very dense growth	Agrostis tenuis

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	Festuca rubra rubra
30%	Chewings fescue; low maintenance, good for dry low nutrient soil, shade tolerant	Festuca commutata
20%	Smooth stalked meadow grass; binds soil, good wear and regenerative qualities	Poa pratensis
5%	Brown top bent; cold tolerant, low maintenance, rhizomous, very dense growth	Agrostis tenuis
20%	Sheeps fescue; for poor soils, drought tolerant, densely tufted	Festuca ovina

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	Festuca rubra rubra
25%	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
5%	Brown top bent; cold tolerant, low maintenance, rhizomous, very dense growth	Agrostis tenuis
28%	Sheeps fescue; for poor soils, drought tolerant, densely tufted	Festuca ovina

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/m ² Please note: this seed mix will incur an extra cost of £0.20m ² .		
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