

Greenfix Covamat Plus Type 1 Pre-Seeded Straw Erosion Control Blanket



Exclusive organic bio-degradable erosion control blanket incorporating standard and specified seed mixes suitable for various soil and climatic conditions. COVAMAT-PLUS improves poor soil conditions with the addition of organic fertiliser and micro-organisms. It is also available in different fibre combinations and reinforced meshes for short, medium and long-term degradation (up to 36 months). Specially designed for inherently stable freshly-soiled embankments, new slope cuttings, lining new water-courses, balancing ponds, facing reinforced soil slopes, lake edgings, protection of natural monuments, establishing wild flowers and road ditching.

Specification	Width (m)	Length (m)	Area (m ²)	Weight per roll (kg)
100% straw fibres. Seed mix embedded in mulch-layer, fertiliser SOF- A-100 and dry micro-organisms, top and bottom degradable polypropylene-mesh, 700-750 g/m ²	1.20	25	30	30
	2.40	25	60	50

Measurement	Value
FIBRE	STRAW
Fibre Content (%)	100%
Thickness (mm)	10-20
Weight/Total (g/m ²)	~700
Weight/Fibre (g/m ²)	450
Weight/Seed mix (g/m ²)	35-50
Weight/Mulchlayer (g/m ²)	~100
Weight/Paperlayer (g/m ²)	30
Micro-Organisms	Bacillus subtilis 1 g/m ²
Organic Fertiliser Type SOF-A-100	~100 g/m ²
Functional Longevity (months)	12-18

MULCHLAYER: The Mulchlayer is a combination of COIR-DUST, CHOPPED STRAW, CHOPPED HAY and COIR-WASTE for seed embedment and vegetation enhancement.

Structure	Value
Bottom Netting Type	Light
Top Netting Type	Medium
Bottom Netting Size	9 x 9 mm
Top Netting Size	19 x 36 mm
Bottom Netting Weight	4.8 g/m ²
Top Netting Weight	7.1 g/m ²
Stitching Thread	Polypropylene-thread (brown), UV-degradable
Stitching Thread Tensile Strength	6.5 cN/dtex
Slope Recommendation	2:1-1:1
STANDARDS	
TensileStrength ISO-10319	2.8 kg-force per 20 cm
D4595 Elongation (%)	36 x 30
D4491 Flow Velocities, Short Term	3.04 m/s
Max Permissible Shear Stress (g/m ²)	900
"n" value Roughness Coefficient	0.018

The following standard seed mixes can be selected for the Covamat range. These seed mixes compliment and support each other giving multiple use and flexibility in application. Covamat contains fertiliser, micro-organisms and mulch to improve germination rates and soil conditions. Other specified regional seed mixes can be added if required.

SEED MIX OPTIONS						SEEDS INCLUDED	
1A	1C	2A	2B	2C	Pioneer	English Name & Advantages	Latin
30%	27%	-	-	-	25%	Perennial ryegrass; Quick to establish, wear tolerant and regenerative	Lolium perenne
30%	27%	35%	25%	25%	25%	Creeping red fescue; binds, drought and salt tolerant, good erosion protection	Festuca rubra rubra
30%	27%	30%	30%	25%	-	Chewings fescue; low maintenance, good for dry low nutrient soil, shade tolerant.	Festuca commutata
10%	12%	30%	20%	10%	-	Smooth stalked meadow grass; binds soil, good wear and regenerative qualities.	Poa pratensis
-	-	5%	5%	5%	10%	Brown top bent; cold tolerant, low maintenance, rhizomous, very dense growth	Agrostis tenuis
-	-	-	20%	28%	15%	Sheeps fescue; for poor soils, drought tolerant, densely tufted	Festuca ovina
-	3%	-	-	3%	7%	Red Clover; dark pink flower, nitrogen fixing	Trifolium pratensis
-	2%	-	-	2%	7%	White clover, spreads rapidly in moist soil	Trifolium repens
-	1%	-	-	1%	2%	Birdsfoot trefoil; used in dry, sandy soils	Lotus corniculatus
-	1%	-	-	1%	3%	Yellow trefoil; thrives in dry conditions	Medicago lupulina
-	-	-	-	-	2%	Suckling clover (Irish Shamrock)	Trifolium dubium
-	-	-	-	-	4%	Alsike clover	Trifolium hybridum
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	
1C						As per 1A and with clover added for poor soils. Most widely used mix. Good for road embankments, swales and coastal applications.	
2A						Low maintenance, shade tolerant. Use in better quality soils. Strong root development and erosion protection. Salt resistant.	
2B						Dry stony soils, strong root development, erosion protection and salt resistant.	
2C						As per 2A with clover added for poor soils.	
Pioneer						For poor soils with establishment problems. 50 g/m ² Please note: this seed mix will incur an extra cost of £0.20m².	

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.