

Greenfix GeoJute 500 Erosion Control Mesh



The benchmark low cost erosion control geotextile, GeoJute 500, has been specified for decades to provide cost effective protection to freshly cut or exposed slopes. GeoJute 500 offers a high degree of soil retention, before biodegrading completely to add to the organic content of the soil after sufficient time has passed for natural vegetation to establish and protect the soil from future erosion.

Easier to transport and handle and quicker to install

Each GeoJute 500 roll covers an area of 83.57m² and weighs 42kg. Folded and compressed bales typically weigh more than 300kg whereas with GeoJute 500 weighing as little as 42kg the rolls are far better suited for manual handling. Being easier to handle makes the product easier and quicker to lay and makes a more efficient use of manpower. GeoJute 500 rolls are easy to install by simply unrolling down the slope, without any need for unfolding, also avoiding potential snagging and tangling.

Superb for erosion control and vegetation establishment

Greenfix GeoJute 500 exhibits the highest degree of flexibility and drape of all biodegradable erosion control geotextiles. The flexibility and drape of an erosion control geotextile relates to the extent to which the textile can mould itself under the force of gravity alone, closely to the undulations and contours of the soil slope it has been installed to protect. Optimum soil retention performance is achieved when the closest soil-to-geotextile fit has been achieved. These properties correspond to excellent soil retention performance compared to other products as highlighted by research from the Department of Soil Science, Cranfield University, UK.

Jute and the environment

Each year Jute crops are sustainably managed and from seeding to harvest, one hectare absorbs as much as 15 tonnes of CO₂. Because Greenfix GeoJute 500 is made of 100% jute, the CO₂ footprint of a project can be reduced by more than 3kg CO₂ for every m² installed.

Technical Specification Data	
Fabric Type	Open plain woven fabric of Jute fibres
Durability	1-2 years
Weight	500 g/m ²
Packaged	Rolls
Width	1.22m
Length	68.58m
Area	83.57m ²
Weight/ Roll	41.84 kg (+/- 0.5kg)
Ends per 10cm	6.5
Picks per 10cm	4.5
Dry thread tensile strength in ends direction*	750 daN/m
Wet thread tensile strength in ends direction*	450 daN/m
Mesh size	Approx 15mm x 22mm
Open area	60-65%
Absorption of water (% of dry weight)	485%

(warp and weft) BS EN 13934-1:1999 *

