

Soil Erosion Control & Vegetation Establishment

Coir blankets are a woven coconut fibre geotextile fabric used for Soil Erosion Prevention and Vegetation Establishment on steep slopes. Coir blanket products provide natural, biodegradable erosion protection of soil banks dissipating the force of heavy rains and runoff.

The durability of coir blankets provides adequate time for the development of well-established root systems, which offers long term erosion protection. BritishFlora stock varying densities of coir blankets depending on the application including the 400 GSM (Grams per Sq. Meter) and 900 GSM Coir Fibre Blankets.



400 gsm Coir Blanket



900 gsm Coir Blanket

Benefits

- Promotes vegetation growth
- Adds organic material to inert soils
- Water absorption in low rain areas
- Mulching effect-Prevents topsoil from drying out
- 100% natural biodegradable fibre
- High tensile strength
- High tear resistance
- Easy to install
- Follows the contours of the soil surface
- Degrades over 2 to 5 years
- Restoration of aquatic and terrestrial habitats

Applications

- Road, Motorway and Railway Embankment Stabilisation
- Lake, Pond, River Drainage Channel Banks
- Vegetation Establishment on new or exposed slopes prone to erosion



Coir Blankets

TECHNICAL SPECIFICATION

	400 gsm Coir Blanket	700 gsm Coir Blanket	900 gsm Coir Blanket
Textile Weight (g/m ²)	400	700	900
Material	100% Spun coir woven geotextile	100% Spun coir woven geotextile	100% Spun coir woven geotextile
Width	2m	2m	2m
Length	50m	50m	50m
Av. Open Area %	65%	50%	39%
Wide Width Tensile Wet lb/inch	38x24	85x40	121x38
Wide Width Tensile Dry lb/inch	50x30	111x53	154x52
Breaking Load, Dry (lbs)	111.71	222.71	NA
Breaking load, Wet (lbs)	89.66	194.77	NA
Water Flow (m/sec)	2.4	3.0	4.6
Slope (recommended)	Over a 45 degree (1:1) slope	Over a 45 degree (1:1) slope	Over a 45 degree (1:1) slope

INSTALLATION

Vegetation Establishment

Seeding can be undertaken prior to blanket installation and seedlings can grow up through the blanket. Alternatively seeding can be undertaken after installation and sown onto the blanket.

Hydroseeding is also an effective seed application method over large areas and will provide further support for vegetation growth. Wildflower and aquatic plants and shrubs can be inserted through the coir mesh after installation and the blanket will provide support to vegetation establishment.

Overlapping and Anchorage

Sufficient overlap and anchorage is the key to the success of erosion control blanket products. Trenches at the top and bottom of the slope must be backfilled and pegged to ensure good anchorage.



Speak to the specialist at Phoenix Amenity Supplies for seed mixes, advice on sowing, planting and species selection for your site.