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Coir Geo-Textiles: A Natural Solution for Soil Erosion and **Slope Stabilisation**

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Coir geotextile is the natural solution to large scale soil erosion and soil degradation Geotextiles are a wonderful treasure of natural echo friendly, erosion control blankets in woven and non-woven preparations. Totally biodegradable, geotextiles protect land surface, help soil stabilisation and renew vegetation in varying slopes. Coir geotextiles have very high tensile strength and ability to break up run off top soil. Coir retains moisture for long time and it also promotes new vegetation by absorbing water and by preventing the topsoil from drying out.

Coir geotextile provides soil support for 4 to 5 years for natural vegetation to establish and is also used for river bank protection, road construction and land reclamation.

Coir mesh mattings ,Coir needle felts and Coco logs are the major kinds of Geotextiles

Major applications and functions of Coir Geo-Textiles are given in the table below:

1	Stabilization of soil slope	Reinforcement, erosion control
2	Land reclamation	Filtration, separation, reinforcement
3	River bank protection	Filtration, separation, erosion control
4	Land fills	Filtration, separation, reinforcement, erosio
		drainage, protection
5	Stabilization of road	Filtration, drainage, separation, reinforcement, conj
6	Rail-roads, track bed Stabilization	Filtration, separation, reinforcement,
		confinement

Functions

Sl.No.

Applications