

Application Techniques of Ceyhinz Geotextiles

SITE ASSESSMENT

The first step in the application of Coir Geotextiles is to make a detailed study of the sites; Slope assessment, nature and consistency of the soil cover, the extent of damage, rainfall patterns etc. to make the right and relevant choice of Coir geotextiles for the site, as well as the seeds or saplings.



Slope Application:

Soil type assessment/slope assessment /slope blanket selection/slope vegetation/slope stabilization procedure.



Channel Application:

Channel assessment/Channel liner selection/Channel vegetation Selection/proposed vegetation assessment/channel stabilization procedure.

Shoreline Application:

Shoreline assessment/Shoreline blanket selection/shoreline vegetation Selection /Shoreline stabilization.



The ground has to be prepared by removing protruding stones, earth masses etc. The surface must be made relatively free of weeds, stones, roots, sticks, rivulets, gullies, crusting and caking.

After preparing the soil surface, the seeds have to be applied on the surface by hand broadcasting or by hydraulic means and the blanket/mat must be laid over the seeds almost immediately.

The seeds/plants have to be obtained depending on the climatic conditions, preferably the local species as per client's instructions. The seeds after germination should take up deep rooting system. The seeds should match the soil conditions to get optimum germination, root development, vegetation density and longevity.

The erosion control blankets are to be laid in the direction of the water flow starting from the top to the bottom. The top portion has to be anchored in a cut trench and stapled or spiked to fix properly. Similar procedure has to be followed at the bottom of the slope also for best results.. The blankets may be anchored with 11 gauge wire staples, of size 8" x 2" x 8" (U shaped) one treated wooden pins. Two doses of sprinkling are recommended if the weather is hot and dry. For the first few days, the moisture levels must be properly monitored to facilitate easy germination of the seeds.

The blanket will protect the slopes against rainwater. The vegetation will get established to protect the slopes permanently and achieve greening effect on the surface.

Seeding/Planting Methods:

Quick germination, sod forming, grass species must be used whenever possible. While seeding/planting always match the seed/sapling to be used with the local soil conditions for optimum results. Standard seed broadcast methods are acceptable prior to erosion control blanket installation.

