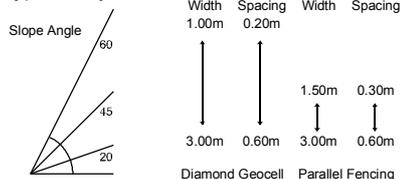


Hy-Tex CoirFence™ Soil Retention System

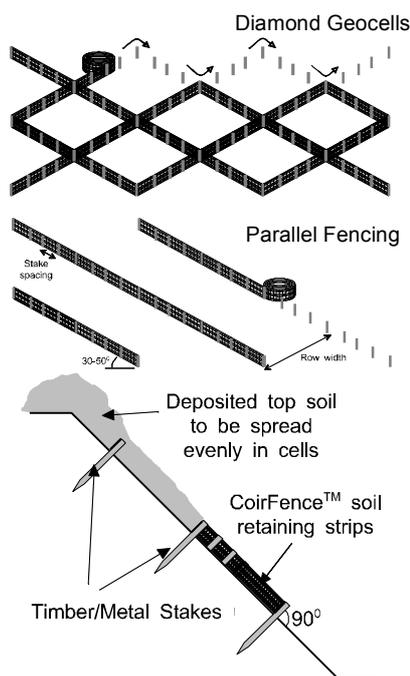


Typical Layouts



The above figures are given for guidance only. Factors such as fill type, shear strength of underlying ground and severity of erosion forces must be taken into consideration

Typical usage: Diamond 1.2 lm/m², Parallel 0.6 lm/m²



Soil Stabilisation *CoirFence™* is a new system designed for easy creation of retaining geocells, and stabilisation fencing, on embankments where top soil is vulnerable to slippage during vegetation establishment.

The tough *CoirFence™* strips restrain and reinforce the friable surface mantle; providing stable conditions for an effective binding root mass to development and penetrate the underlying subsoil, or fractures and fissures in the bedrock (Where density and shear strengths are higher).

The coir fibre fencing also act as a wick which encourages infiltration of water - reducing surface runoff and improving soil drainage.

Shoreline Re-Establishment The system has also been successfully used on water margins to encourage sedimentation and the re-growth of reed beds.

The low *CoirFence™* diamond grid dissipates energy from incoming waves, while trapping and filtering out sediment from water passing through it. The system therefore protects both the newly formed sediment deposits and young reed plants until vegetation is well established.

Ecologically & Economically Desirable *CoirFence™* provides a flexible, effective, and practical, natural fibre alternative to non degradable synthetic geotextiles, or expensive and labour intensive wickerwork.

The system is also kind to the environment as the coir fabric decomposes gradually over 5 to 10 years, integrating with the soil and newly developed root network.

Superior Quality Unlike similar products currently supplied by some companies, Hy-Tex *CoirFence™* is constructed with true return weave selvedges - improving fabric strength and eliminating edge fraying.

In addition, as part of the quality Hy-Tex range of coir products *CoirFence™* is imported directly from Brothers Coir Mills, a highly regarded Indian manufacturer.

Specifications	Hy-Tex CoirFence™
Material	Woven Pure Coir Yarn. True Selvedge Both Sides
Yarn Quality	Best Anjengo, two ply, hard twisted
Weave Count	70 wefts per running metre. 36 warps per 20cm width (non-woven space between each 6 warps)
Tensile Strength (BS EN ISO 10319: 1996)	Dry 6.44 kN/m, Wet 5.32 kN/m
Extension at Max Load (BS EN ISO 10319: 1996)	Dry 29.50%, Wet 32.80%
Manufacturer/Source	Brothers Coir Mills Limited, Indian
Fence Widths	Standard 20cm high (Other sizes also available)
Roll Length	50.00m
Fixings	Pointed timber stakes 0.60-1.20m x 40-80mm diam Steel rebar rods 0.40-0.80m x 14-20mm diam.

Easy to Install The system consists of wooden stakes, or steel rods (rocky ground), and Hy-Tex *CoirFence™* fabric, arranged in either diamond or parallel patterns.

The posts are driven firmly into the prepared ground, perpendicular to the surface at regular intervals, leaving the equivalent to the fence height protruding. On rocky slopes holes must be pre-drilled. *CoirFence™* is then unrolled and fixed to the uphill side of the posts with 18mm staples, binding wire or cable ties.

Next soil is added directly to the cells and spread evenly with a hoe or shovel.

Finally suitable seeds, plants and/or trees are introduced to development permanent stabilisation.

In addition, where site conditions require, one of the extensive range of Hy-Tex erosion control meshes, or blankets, can be also secured over the surface to provide further protection.