

# Coir Pallets

Coir Pallets are an excellent technique for establishing marginal vegetation around lake edges and on streams and rivers banks. Coir Pallets are cost-effective, organic revetments that are suitable alternatives to hard protections in many applications.

## Manufacturing

Coir Pallets are manufactured in the UK to any specification, depending upon site requirements. The following are standard stock items.

1 metre x 1 metre: approx. 5kg per linear metre dry weight

Netting: High strength 3mm coir yarn with mesh size of 25mm, in a square shape.  
Weight 0.4 kg/m<sup>2</sup>

## Specification

- The fibre rolls shall be machine manufactured in the UK from coir fibre with a mean fibre length of 150 mm  $\pm$  50 mm, compressed homogeneously to a density of 50 kg/m<sup>3</sup>, and contained by a net of 3mm coir yarn with a mesh size of 25mm weighing 0.4 kg/m<sup>2</sup>.
- Dry weight: 5  $\pm$  0.5 kg/ m<sup>2</sup>.
- Wet weight - 1 hour after removal from the water approx. 20.6 kg/lin m. 4 hours after removal from the water approx. 16.7 kg/lin.m.
- When subjected to a load of 80kg the fibre roll shall compress less than 15%. (This load approximates to an 80 kg man standing on the roll).

## Technical Specification

The diamond mesh size and coir fibre length are based on giving integrity to the fibre pallet structure, and having enough room between the net meshes to enable planting to take place.

The density, wet weight and compressibility specifications are the optimum to allow strong plant growth and give erosion resistance. Less density and more compressibility will result in deformation and consequent risk of damage to the plants and possible erosion from behind the fibre pallets. Pallets that are too compact and do not compress when stood on, will inhibit plant growth and are therefore not appropriate.