

# Coir Mat

## Effective Erosion Control

The semi-permanent control mats typically provide erosion control for approximately **4 to 6 years**, depending on your area conditions. These mats are made with open weaves to allow for reseeding and vegetation both before and after installation. Offering a higher strength design, these erosion control mats can accommodate areas with steep slopes and increased water flow.

- Channel Filtration and Erosion Control
- Hillside and Shoreline Erosion Control
- Slope Stabilization
- Soil Stabilization
- Stream Bank Restoration
- Wetland Restoration



Semi-Permanent Coir Mat Typical Specifications				
Mat Type	Coir Mat 40	Coir Mat 70	Coir Mat 90	Coir Mat 100
Open Area	65%	50%	39%	36%
Recommended Slope	less than 1:1	1:1 or greater	1:1 or greater	1:1 or greater
Recommended Flow	up to 8 fps	up to 12 fps	up to 16 fps	up to 17 fps
Shear Stress	3.2 lbs/sq. ft (153 N/sq. m)	4.5 lbs/sq. ft (215 N/sq. m)	5 lbs/sq. ft (239 N/sq. m)	5.5 lbs/sq. ft



### Coir Mat Fabric

Fabrics used for these coir mats include natural materials such as coconut fibers, wheat straw, wood and jute. An environmentally sensitive solution to erosion control, each fabric is designed to biodegrade over time. This enriches the soil and extends vegetative growth.

### Coir Netting Fabric

The netting material is designed to biodegrade with the mat. Netting usually features an open weave design that allows for seeding both before and after the mat has been installed. Mattress coir is stitched between jute nets, that biodegrade along with the mat. StrawCoco mats are stitched between synthetic nets.



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