



ENVIRONMENTAL CONSTRUCTION SOLUTIONS

Specifications for Coir 400 Matting

Coir 400 is a biodegradable erosion control fabric made up of a single layer of continuously woven coir (coconut fiber) matting. It is designed to be used on slopes, shorelines and streamlines for erosion & sediment control. It is also designed to hold seed intact during the establishment of vegetative cover. Coir Matting is an environmentally friendly product.

| Property | Test Method | Coir 400 |
|---|-------------|-----------------------------|
| Weight | ASTM D 3776 | 11.86 oz/sq.yd (400 g/sq.m) |
| Tensile Strength Machine Direction | ASTM D 4595 | 432 x 138 lbs/ft |
| Elongation at Failure Wet Machine Direction | ASTM D 4595 | 26% x 32% |
| Flexibility (Mg-Cm) | | 19920 x 16700 |
| Longevity | | 4-6 years |
| Open Area | Calculated | 65% |
| "C" Factor | | 0.002 |
| Thickness | ASTM D 1777 | 0.30 in |
| Minimum Twine Count MD x CD (per foot) | | 27 x 18 |
| Recommended Slope | | < 1:1 |
| Flow Velocity | | Observed 11 fps (3.5 m/s) |
| Shear Stress | | 3.0 lbs/sq.ft (215 N/sq.m) |