

TECHNICAL DATA SHEET:

COIR NET

Biodegradable Erosion Control Mat



Coir Net biodegradable erosion control mat is manufactured from 100% natural coir fibre extracted from coconut husk.

Coir Net has both greater tensile strength and life expectancy than other bio-degradable products due to the strong fibrous quality of coir fibre. It can last up to 48 months depending on the climatic conditions.

Due to its smaller aperture size Coir Net protects both seed and tube stock prior to germination from wind and water erosion.

Coir Net can be used in both seeded revegetation applications for grass establishment or tube stock revegetation. The coir fibre can retain moisture providing ideal germination conditions while protecting soil from erosion.

Coir Net can be used for:

- Revegetation of slopes up to 1:1 grade
- Wetland construction and establishment
- Channel and river bank revegetation protection
- Swale drains
- Mining rehabilitation works.

SECTOR SUITABILITY

GEOFABRICS
Smarter Infrastructure



Roads



Rail



Coastal



Waste



Mining



Civic &
Landscaping



Ports &
Aviation



Water



Primary
Industries



Sports &
Recreation



Slopes &
Walls



Building

Coir Net biodegradable erosion control matting is available in three grades: 400gsm, 700gsm and 900gsm.

| PROPERTY | 400GSM | 700GSM | 900GSM |
|---------------------------|-----------------|------------------|-----------------|
| Roll Size | 2 m x 25 m | 2 m x 25 m | 2 m x 25 m |
| Colour | Brown | Brown | Brown |
| Material | Coconut Fibre | Coconut Fibre | Coconut Fibre |
| Mesh Aperture Size | 25 mm x 25 mm | 12 mm x 12 mm | 8 mm x 8 mm |
| Thickness | 7.6 mm | 7.6 mm | 7.6 mm |
| Tensile Strength | 643 x 205 kg/m | 2,006 x 931 kg/m | 2,490 x 1,050 |
| Elongation | 26% x 32% | 34% x 38% | 36% x 40% |
| Flexibility (mg/cm) | 19,920 x 16,790 | 65,050 x 29,590 | 76,590 x 37,400 |
| Maximum Flow Velocity | 2.7 m/s | 3.3 m/s | 4.2 m/s |
| Weight (tolerance 5% +/-) | 400 gsm | 700 gsm | 900 gsm |
| C Factor | 0.002 | 0.002 | 0.002 |
| Open Area Measured | 65% | 50% | 34% |
| Slope (Recommended) | <2h:1v | >1h:1v | >1h:1v |

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