



NovaCoir 900 g/m² Premium ESC Matting



Engineered for steep terrains and demanding environmental conditions, **NovaCoir 900 GSM** combines strength, durability and ecological performance. With a high density of 900 g/sqm, it offers:

- **Exceptional soil retention**
- **Enhanced durability**
- **High flow resistance, tolerating velocities up to 4.5 m/s**

The tight mesh structure and reduced open area provide superior sediment control while still promoting vegetation growth. This makes NovaCoir 900 GSM an ideal solution for steep slope stabilization, streambank protection, and ecological restoration projects across Canada’s most challenging landscapes.

| PROPERTY | TEST METHOD* | VALUE |
|-----------------------------|-------------------------------------|-----------------------|
| Mass per Unit Area | ASTM D6566 | 888 g/m ² |
| Thickness | ASTM D6525 | 8 mm |
| Tensile Strength (MD) | ASTM D6818 | 24 kN/m |
| Tensile Strength (CD) | | 13 kN/m |
| Dry Elongation (MD) | | 26% |
| Dry Elongation (CD) | | 25% |
| Biodegradability | ASTM E1252 – FTIR Test | 100% Natural Fibers |
| Nylon Content | | 0% (Verified by FTIR) |
| Open Area | Measured | 30% |
| Apparent Opening Size (AOS) | 9 mm | |
| Recommended Slope | 1:1 or steeper | |
| Longevity | 3 – 5 years | |
| STANDARD SIZING | 25m x 2m rolls (50 m ²) | |

*Tested and validated by SCC-accredited Canadian laboratory

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