



# ECM-30



## Sustainable Engineered Bamboo Ground Protection Matting

- LOWER COST VS COMPOSITE**
- RAPID INSTALLATION TIMES**
- LOWER TRUCKING COSTS**

**CUSTOM-DESIGNED ACCESS:** For Civil Construction, Trailer-Mounted Rigs, Site Access Roads, and Campsites.

**STREAMLINED DEPLOYMENT:** Dedicated lifting points, no dunnage required.

**RAPID CONNECTION:** With 4 steel-to-steel installation fixings per mat.

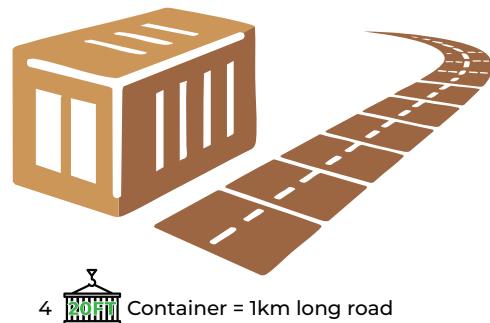
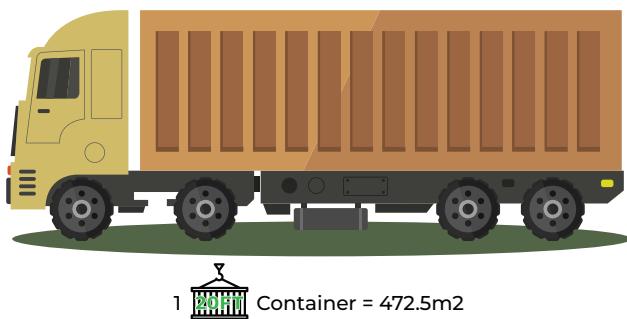
**STRENGTH:** Tested 647 PSI (4,468kN/m<sup>2</sup>) exceeds composite weight loading capacity.

**DIMENSIONS:** 5.25m<sup>2</sup> (2.824m x 1.860m x 43mm) & 262kg - 33% thinner than Composite.

**COVERAGE PER CONTAINER:** 472.5m<sup>2</sup> (5,086 sqft) working area per 20ft container.

**SUSTAINABLE MATERIAL:** Made from Flex Weave Bamboo.

**1 TRUCK LOAD = 472.5 SQUARE METERS**



## ECM-30 SPECIALIZED FEATURES



Dedicated lifting point  
Reinforced corner gusset



2 way matting edge  
steel connector



4 way connector



4 way central connector  
4 connector screws per mat



Integral beam  
locking rib



Side pocket on site repair  
capability

Description	ECM-30	ECM Advantage	Composite
Actual Size	<b>2.824m x 1.860m x 43mm 5.25m<sup>2</sup></b>		<b>6.0m<sup>2</sup></b>
Useable Area	<b>5.25m<sup>2</sup> (56.5 sqft)</b>	<b>Fully Useable Area for an Efficient Operation</b>	<b>5.30m<sup>2</sup> (57 sqft)</b>
Weight	<b>262kg (577 lbs)</b>		<b>225kg (496 lbs)</b>
Strength	<b>647 psi (4,468 kn/m<sup>2</sup>)</b>	<b>61% Stronger</b>	<b>400 psi (2,758 kn/m<sup>2</sup>)</b>
Thickness	<b>43mm (1.69 inches)</b>	<b>33% Thinner</b>	<b>64mm (2.51 inches)</b>
Coverage / 20ft container	<b>90 mats 472.5m<sup>2</sup> (5,086 sqft)</b>	<b>98% More Coverage</b>	<b>45 mats 238.5m<sup>2</sup> (2,567 sqft)</b>
Connectors	<b>4 steel to steel connectors</b>	<b>12 Less Connectors</b>	<b>16 plastic pins</b>
Life	<b>15 years</b>	<b>Chipped at Life End</b>	<b>15 years</b>
Repairable on site	<b>Yes</b>	<b>Modular Design</b>	<b>No</b>
Buoyancy	<b>No</b>	<b>Does not Float</b>	<b>Floats / Requires ground pins</b>
Fire Rating	<b>Class A ASTM E84</b>	<b>Does not Burn</b>	<b>Melts at 121 °C (240F)</b>