

JutePAK thick 750

Compressed Jute Erosion Control - **Halving the Carbon Footprint!**

Revolutionary Compressed Technology

Global Green Environmental introduces JutePAK Thick (750GSM) – the first compressed jute erosion control matting designed specifically to reduce environmental impact through innovative logistics. Through advanced compression technology, we've achieved a breakthrough in sustainable transportation while maintaining the quality performance characteristics essential for effective erosion control and weed suppression.

Environmental Impact: The Numbers

Analysis of shipping emissions from our manufacturing facility to Australia (approximately 7,000 nautical miles) reveals significant carbon savings through compression technology.



Product Specifications & comparison

Metric	Standard Jute (non-compressed)	Compressed JutePAK	Improvement
Coverage per container (40ft)	11,895 m ²	23,500 m ²	+97.6%
Rolls per container	260 rolls	470 rolls	+80.8%
Roll dimensions	1.83m x 25m (45.75 m ²)	2.0m x 25m (50 m ²)	+9.3%
Carbon per m ² delivered	240 g CO ₂ /m ²	122 g CO ₂ /m ²	-49.2%

Real World Example

For a typical large-scale revegetation project requiring 23,500 m² of jute matting coverage:

	Standard Product	JutePAK Compressed
Containers Required	2 x 40ft containers	1 x 40ft container
Shipping emissions	5.72 tonnes CO ₂	2.86 tonnes CO ₂
Carbon Saved	0	2.86 tonnes CO ₂

That's equivalent to: The carbon sequestered by 132 tree seedlings grown for 10 years, or removing a passenger vehicle from the road for over 7,000 kilometers.



Operational & Safety Advantages

Palletized Delivery	20 compressed rolls per pallet (2.0m W x 1.1m D x 1.1m H) Double-stackable for efficient storage and transport
Enhanced Safety	Eliminates manual handling risks during container unloading Forklift-ready pallets reduce OH&S incidents
Storage Efficiency	Compressed rolls take up 50% less warehouse or container storage
Site Handling	Fewer deliveries save time, freight costs, carbon emissions and traffic Reduced site congestion and logistics coordination
Installation Benefits	Wider 2.0m rolls mean fewer joins and faster coverage 9.3% more area per roll reduces installation time

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Contact us for more information on the JutePAK Thick 750.

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Technical Specifications

	JutePAK Thick (Compressed)
Material	100% organic, biodegradable, high quality long fibre Jute
Weight	750 gsm (nominal)
Roll Dimensions	2.0m wide x 25m long (50 m2 per roll)
Pallet Configuration	20 rolls per pallet (1,000 m2 per pallet)
Pallet Dimensions	2.0m W x 1.1m D x 1.1m H
Pallet Weight	640kg
Container Capacity	470 rolls per 40ft container (23,500 m2)



Performance Characteristics

JutePAK Thick delivers effective erosion control and weed suppression performance. Note that the matting will gradually expand closer to its pre-compressed thickness over time once laid on the ground with exposure to weather and rainfall:

- Erosion Control: Up to 18 months protection depending on environment, suitable for slopes up to 1:1 grade
- Weed Suppression: Dense 750gsm matting suppresses most weeds during vegetation establishment
- 100% Organic: Natural hessian scrim with no synthetic mesh – safe for wildlife
- Natural Benefits: Biodegradable, adds organic matter to soil, provides heat insulation and moisture retention

Commitment to Sustainability

JutePAK Thick represents Global Green Environmental's ongoing commitment to reducing the environmental impact of erosion control solutions. By halving transportation emissions per square metre through innovative compression technology, we're helping infrastructure projects, councils, and Landcare groups achieve their sustainability goals while maintaining effective erosion control performance.

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