RENOVA GROUND SOLUTIONS

HEAVY LIFT · GROUND SUPPORT · ENGINEERED TIMBER

PRODUCT BROCHURE

Hardwood crane mats

Solid Ekki, Okan and Dabema timbers, bolted into one mat. Standard lengths from 3 to 8 metres, or made to your size, for heavy lift, offshore wind, infrastructure and port projects.



THE PRODUCT

One product, made to your spec

Solid, full-length timber

Five hardwood timbers per mat, each running the full length. No laminates and no fillers.

Bolted with steel

Steel tie rods through every timber, with nuts and washers recessed below the surface.

Quoted for your job

Lengths, timber, documents and delivery agreed in writing before you order.

Length	3,000 – 8,000 mm, or custom
Width	Typically 1,000 mm
Depth	200 mm
Timber	Ekki/Azobé, Okan, Dabema or mixed

Length	Approx. weight, Ekki/Azobé, 1,000 × 200 mm
3 m	≈ 684 kg
4 m	≈ 912 kg
5 m	≈ 1,140 kg
6 m	≈ 1,368 kg
7 m	≈ 1,680 kg
8 m	≈ 1,920 kg

Approximate weights for Ekki/Azobé mats. Okan and Dabema mats are lighter, and moisture content changes the weight, so confirmed weights come with your quote. Other sizes on request.

TIMBER

Ekki, Okan or Dabema

Ekki (Azobé)

The standard timber for crane mats. Ekki is one of the densest and hardest commercial hardwoods, and its interlocked grain resists splitting under tracks and outriggers.

Okan

A dense, hard West African timber with durability close to Ekki. Okan is used for the same heavy work and is a sound choice when Ekki is in short supply.

Dabema

A lighter and more economical hardwood. Dabema suits access routes, laydown areas and lighter lifts, where the full density of Ekki is not required.

Mixed species

Mats can be built from a combination of these timbers to balance strength and cost. The species in each mat are agreed and stated on your quote.

Where it comes from

Dense tropical hardwood from West Africa. Our supplier completes a documented due-diligence process before any tree is felled.

EU and UK timber rules

From 30 December 2026, timber placed on the EU market must be deforestation-free, legally harvested and traceable to the land it grew on. Ask us about the documents your project needs.

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REQUEST A QUOTE

To quote, send us

01 Mat length and quantity

02 Width and depth, if your design fixes them

03 Timber preference, or ask us to advise

04 Delivery site and date

05 Lift plan or drawings, if available

06 Documents your project needs

sales@rgsmats.com

General enquiries: info@rgsmats.com · rgsmats.com/request-a-quote

We supply the UK, Europe and worldwide.

RGS supplies to the agreed specification. Mat selection and site suitability stay with your project team. Illustrations are representative. Weights are approximate.