



Common Msasa - The resilient & sustainable construction material

As a steward of a 46,000-hectare concession in Mozambique (Sofala Province), primarily abundant with Brachystegia Spiciformis (Msasa), this presentation aims to advocate for the adoption of this local wood as a sustainable and cost-effective alternative to imported pine wood. Emphasizing its mechanical properties, we highlight its potential applications, economic impact, durability, competitive pricing, and propose an implementation strategy.

Key Facts

Applications

- Msasa is versatile, suitable for all construction purposes, when properly kiln dried also for doors and windows.
- A sustainable and cost-effective substitute for imported pine wood.

Competitive Pricing

- Locally sourced means reduced transport costs, no middle hands and no import fees.
- Superior product at very affordable prices, in many instances cheaper than pine.

Economic Impact:

- Empowers the local economy through sustainable forestry practices.
- Increased demand for locally sourced wood resources results in job creation in rural areas.

Implementation Strategy

- Initial implementation in Sofala
 Province due to favorable conditions.
- Goal: Create demand for sustainable woods, establish Msasa as a preferred choice, as both a development and sustainability vehicle.

Durability and Maintenance

- Upon undergoing CCA pressure treatment, Msasa wood exhibits exceptional resistance to termites and wood borers.
- The CCA treatment has demonstrated a durability exceeding **70** years in applications subjected to environmental exposure.

Msasa stands out in numerous studies, with a key focus on its exceptional resistance to nail extraction. Crucially, ongoing research underlines the importance of wood density in determining this resistance. Notably, Msasa exhibits significantly superior results compared to pine, highlighting its strength and durability.



For more information:

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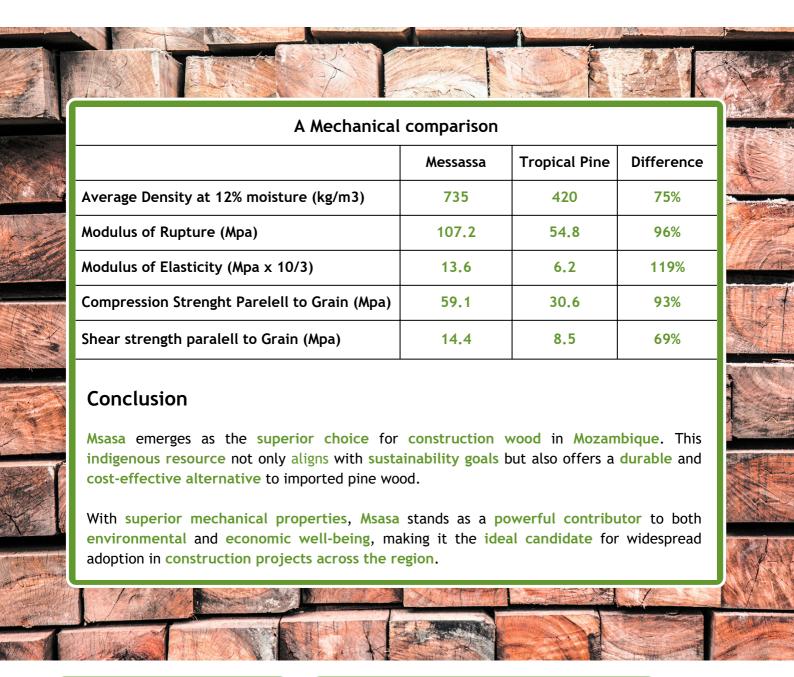




Msasa VS Tropical Pine

As we explore the unique qualities of Msasa, it's essential to compare its mechanical attributes with commonly used, fast growing Pine.

The table below highlights the significant differences between Msasa and Pine in terms of most relevant mechanical properties. Many of these are crucial for resilient constructions, especially resistance to strong wind force.





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