grad®

MOSO® BAMBOO N-DURANCE®

© Sebastian Böttcher

www.grad-system.com

moso BAMBOO | Building the future with bamboo

Exterior use

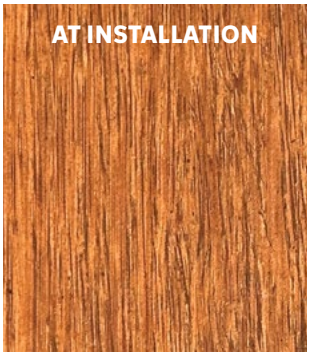
Decking / Cladding / Ceiling / Soffit

MOSO® BAMBOO N-DURANCE®

EN 335 Class 4 - EN 350 Class 1

CHARACTERISTICS		BENEFITS
Caramel colour, Sikkens finish Very high density: ±1200 kg/m³ Brushed, matt finish	→	Natural, high-quality appearance The colour can range from caramel to a lighter shade
Poaceae (Phyllostachys edulis – moso bamboo) High-density bamboo, density ± 1150 kg/m³ Brinell hardness +9.5 kg/mm² Very high dimensional stability following Thermo-Density® treatment	→	Offers exceptional mechanical strength and excellent stability, significantly minimising shrinkage, swelling and deformation, ensuring long-lasting performance even in harsh weather conditions
Fixed using clips integrated into the Grad® System, combined with a rigid aluminium substructure. The optimised design of the slat geometry and the clip ensures an even distribution of forces across the fixing points	→	Average result achieved with the MOSO® Bamboo N-durace®: 275 kg per fixing point (2 clips)
A material processed using the exclusive Thermo-Density® process, which combines high-pressure fibre compression with a multi-stage heat treatment at temperatures of up to approximately 200°C using saturated steam. This process permanently alters the cellular structure of the bamboo, significantly reduces its hygroscopicity and improves its dimensional stability and natural durability	→	This process significantly enhances the material's performance for long-lasting outdoor use. It improves the mechanical strength of the slats, increases their stability in the face of climatic variations and greatly reduces the risk of warping over time. It also ensures exceptional natural durability without the need for heavy-duty chemical preservative treatments, whilst guaranteeing excellent performance of the material in environments exposed to damp and the elements
Compatible with the Grad® system, featuring integrated clips on an aluminium substructure, ensuring quick, precise installation with no visible screws	→	Simplified installation and time savings on site, a perfectly aligned finish with no visible fixings, and increased durability thanks to an even distribution of forces
Made from bamboo, an extremely fast-growing plant that can grow by more than fifty centimetres a day. Bamboo regenerates naturally through its rhizomes, with no need for replanting after harvesting	→	Bamboo is a particularly effective renewable resource, capable of regenerating naturally without the need for replanting. Its rapid growth helps to preserve traditional forest resources whilst offering a sustainable solution with a low environmental impact

WEATHERING*



*Depending on exposure conditions, the environmental characteristics of the project and the maintenance procedures carried out by the user.

Bamboo

Extremely stable

No visible fixings

GRADING RULES

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