

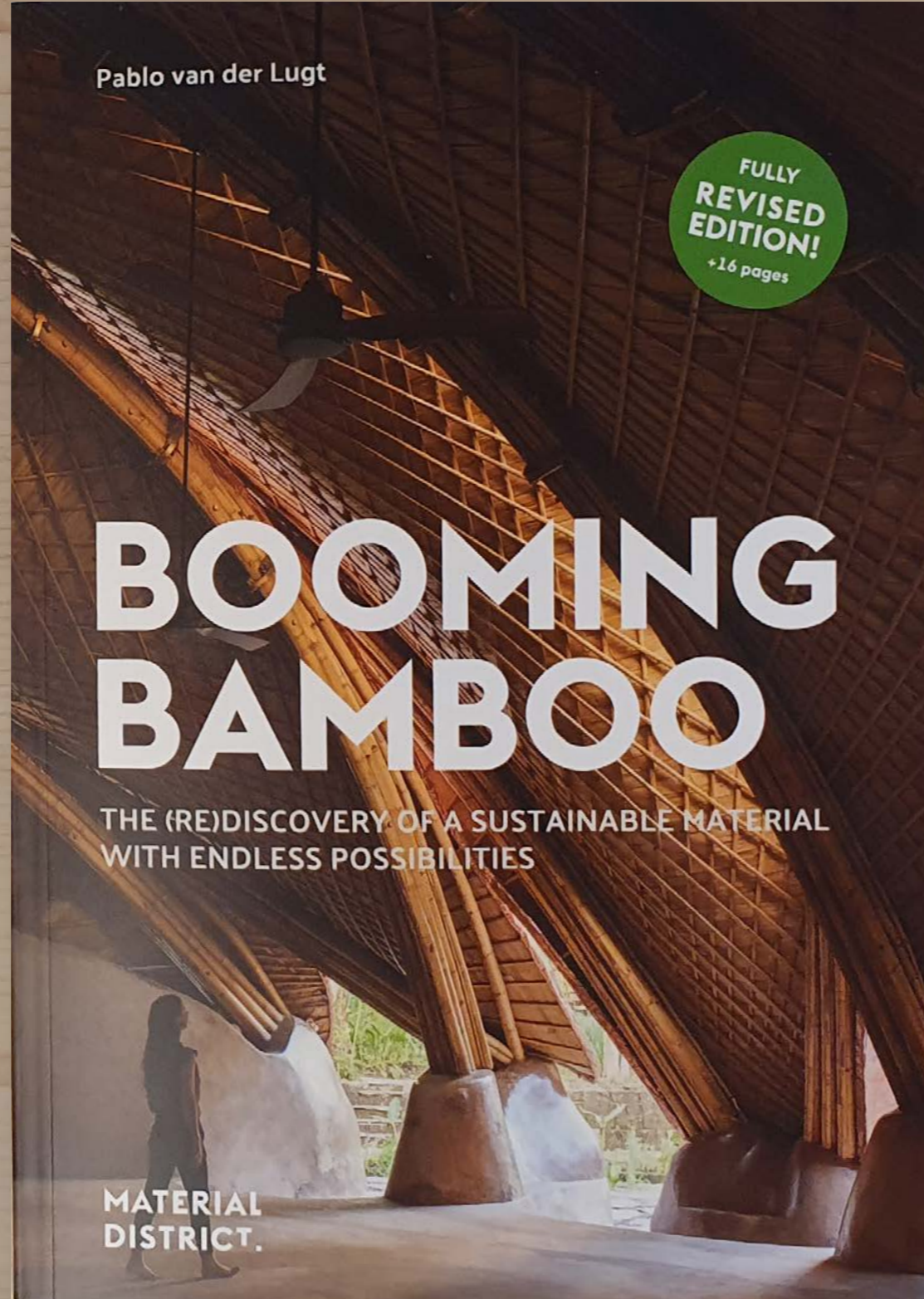
Pablo van der Lugt

FULLY  
REVISED  
EDITION!  
+16 pages

# BOOMING BAMBOO

THE (RE)DISCOVERY OF A SUSTAINABLE MATERIAL  
WITH ENDLESS POSSIBILITIES

MATERIAL  
DISTRICT.





**Multi-story CLT building**  
The apartment building Mooliburg in Amsterdam (designed by Natruflief Architecture) features a CLT bearing structure and is finished with thermally modified softwood and thermally modified bamboo both in regular form (Bamboo X-treme) and partly with a charred surface (yakisugi finishing). Due to the compression, the bamboo reaches Euro-class B regarding fire safety and does not need additional impregnation with fire retardants.



**CLT and bamboo house**  
The family home of architect Bart Spee (designed by Spee Architecten) is made of a CLT shell and finished with thermally modified bamboo (Bamboo X-treme) for the façade and roof cladding, installed on a demountable rail system to facilitate reuse in end-of-life.



**Cladding and decking system**  
The Grad installation system makes it suitable to click bamboo and timber cladding and decking boards onto a subframe, which can also be easily uninstalled in end-of-life, facilitating potential high-end reuse.

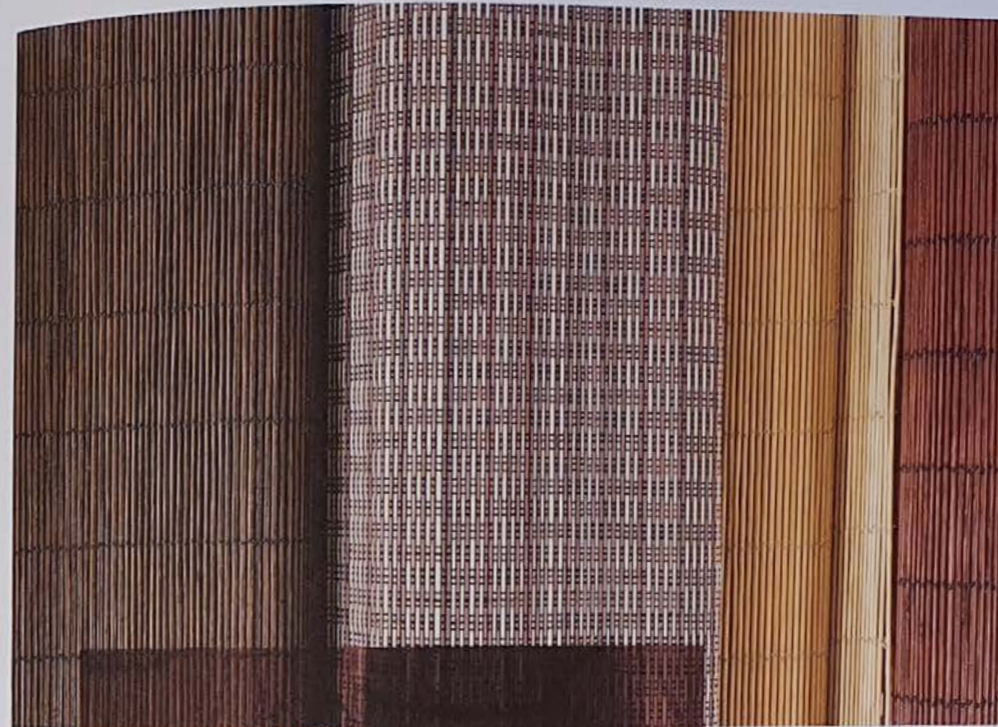
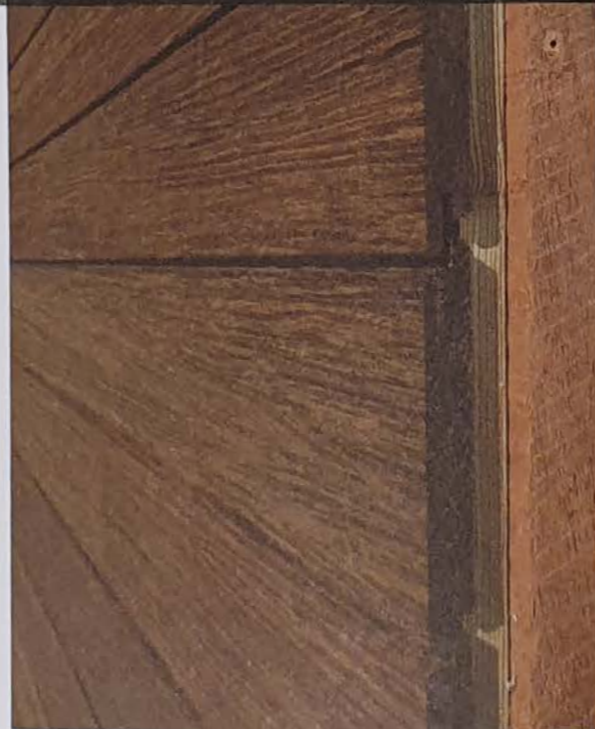


## BAMBOO X-TREME CLADDING

**Manufacturer**  
Moso International

**Photography**  
MaterialDistrict, Maayan Ben Gal /  
Ossip van Duivenbode

This product is a variation of Bamboo X-treme decking but with different dimensions. The standard board size is 1850 x 137 x 18 mm, but various other widths are possible, either vertically or horizontally installed. The product may be installed in a closed or open system, either screwed, using clips or based on a demountable click system on top of an aluminum rail. Due to its high density, it is hardly flammable, reaching fire safety Class B-s1-d0 (EN 13501-1) and Class A (ASTM E84) without impregnation with fire retardants. Bamboo X-treme cladding comes prefinished with exterior oil and will naturally turn grey over time when exposed to outdoor circumstances. The material is particularly intended for application as wall cladding in commercial projects.



## BAMBOO SILK

**Manufacturer**  
Windochine USA

**Photography**  
MaterialDistrict, Maayan Ben Gal

Bamboo Silk is an ultra-thin bamboo weaving made from hand-selected bamboo, split to nearly hair-like fineness, and woven by hand. Each bamboo filament is individually fed into the loom. Finishes include natural tree-resin lacquer in nutmeg and ebony, which are also carefully applied by hand. Inspired by the bamboo screening traditions of ancient Japan and China, this novel adaptation can be used to decorate windows, walls, and transition spaces.

