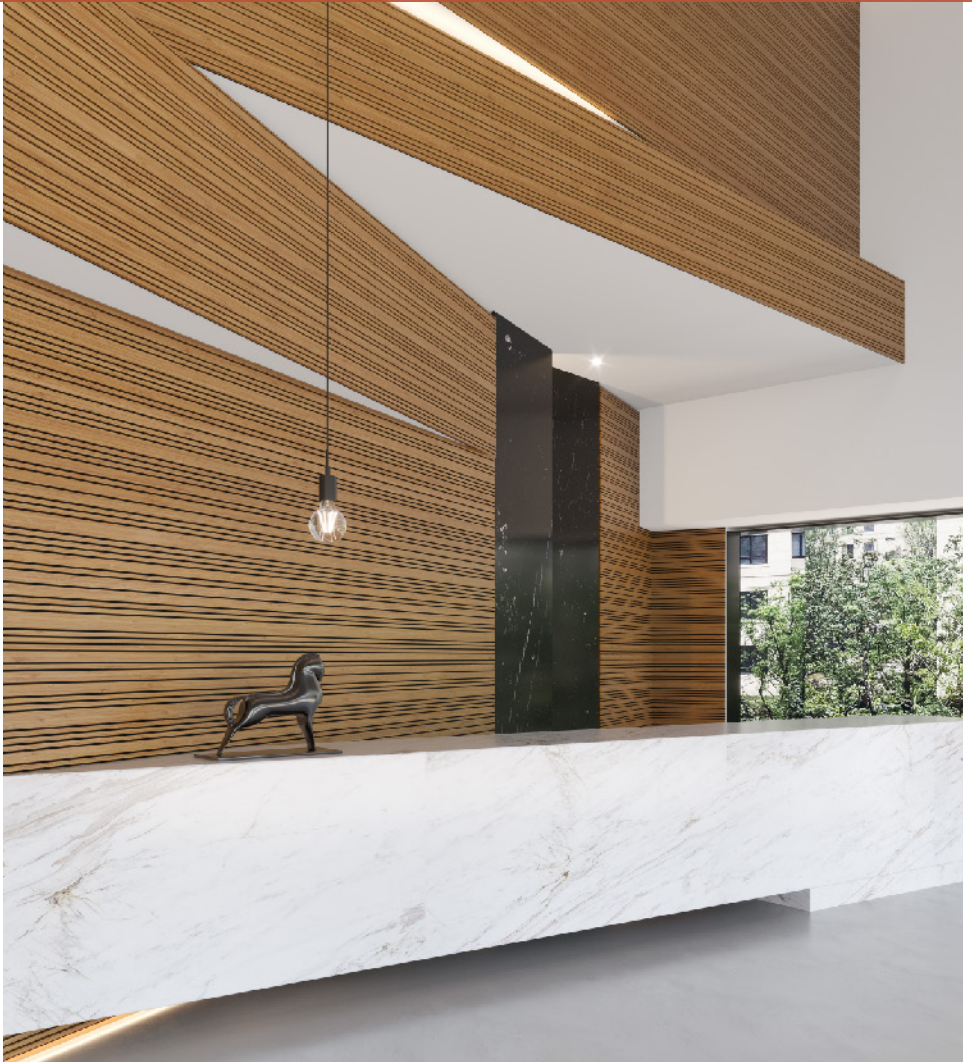


CoreBOO™

BAMBOO Acoustic Panels



www.DecorAcoustics.com/CoreBOO

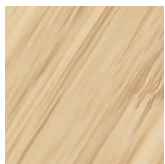
CoreBOO™

Bamboo Acoustic Panels

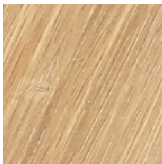
CoreBOO™ Bamboo Acoustic Panels are designed specifically for decorative acoustic performance. Available in **Slat Wall**, **Perf Panel** and **Groove Panel** versions, if sustainability is a component of your ethos, and simplistic beauty is an ingredient of your designs, CoreBOO has something for you.

Our bamboo is rapidly renewable (sustainably harvested at 5-year intervals) and made with low toxic (E0 and NAUF – No added Urea Formaldehyde) adhesives and finishes. Available in FSC-certified and Class A (ASTM E84) versions. Comes in 9 standard color options, in both a UV 'satin' finish, and a plant-based 'matte' penetrating oil version – ensuring the aesthetic options within the CoreBOO line are plentiful.

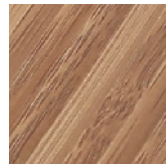
CoreBOO™ Color Options



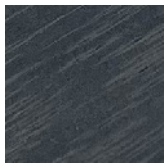
Light



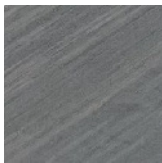
Medium



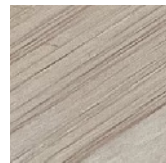
Dark



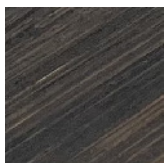
Black



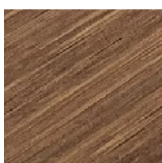
Grey



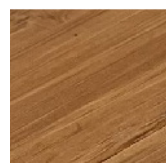
White



Walnut



Hazelnut



Teak

BAMBOO Processing



Bamboo Forest



Bamboo harvest load



Stacked bamboo poles



Slicing bamboo into strips



Bamboo Strips

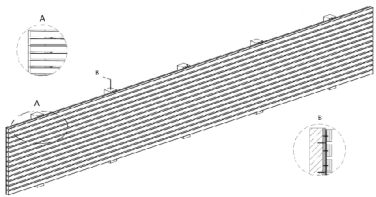


Laminated bamboo into 'stock' material

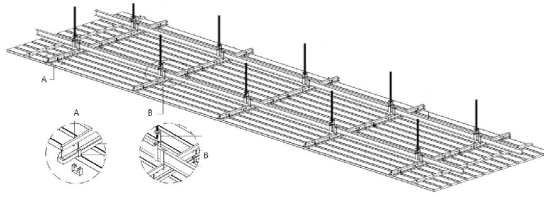
CoreBOO™ Slat Wall

Our **CoreBOO Slat Wall** products provide diffusion by breaking up soundwaves and dampening sound that would otherwise reflect back out into the room. Made from long solid strips of laminated bamboo, the options vary within each assembly, allowing for a multitude of installation options and application types.

The Slat Wall panels can be installed via a direct application onto the substrate or via a hanging method with cables.



Direct Application



Hanging Application

(NOTE: for detailed installation instructions, please see: CoreBOO Slat Wall Installation Instructions)

SOLID (Recycled FELT or Plywood substrate)

The laminated strips are affixed to either a Recycled PET substrate (9mm or 12mm) or a solid multi-layer plywood substrate (5mm; painted black). The Recycled PET provides NRC values ranging from 0.30-0.85 (based on installation method), while the plywood assembly version focuses strictly on diffusion.

Panel Size: 400mm width x 2.9m/5.8m length (ie: ~ 15-3/4" x 114"/228" length)



Narrow

Bamboo Size : 20*20mm
(~ 0.80" x 0.80")
Spacing : 20 mm (~ 0.8")



Medium

Bamboo Size : 20*30mm
(~ 0.80" x 1.2")
Spacing : 10 mm (~ 0.4")



Wide

Bamboo Size : 20*40mm
(~ 0.80" x 1.6")
Spacing : 10 mm (~ 0.4")



MIX

Bamboo Size : 20*20/40/60mm
(~ 0.80"/1.6"/2.4" x
0.80")
Spacing : 8 mm (~ 0.33")



OPEN

The laminated bamboo strips are built on an open aluminum (painted black) frame and can be used either inside or out. Available in 5 different options based on strip spacing and bamboo width and thickness.

Panel Size: 400mm width x 2.9m/5.8m length (ie: ~ 15-3/4" x 114"/228" length)



Mini - narrow

Bamboo Size : 20*20mm
(~ 0.80"x 0.80")
Spacing : 10 mm (~ 0.4")



Mini - wide

Bamboo Size : 20*20mm
(~ 0.80"x 0.80")
Spacing : 20 mm (~ 0.8")



Medium

Bamboo Size : 30*40mm
(~ 1.2"x 1.6")
Spacing : 20 mm (~ 0.8")



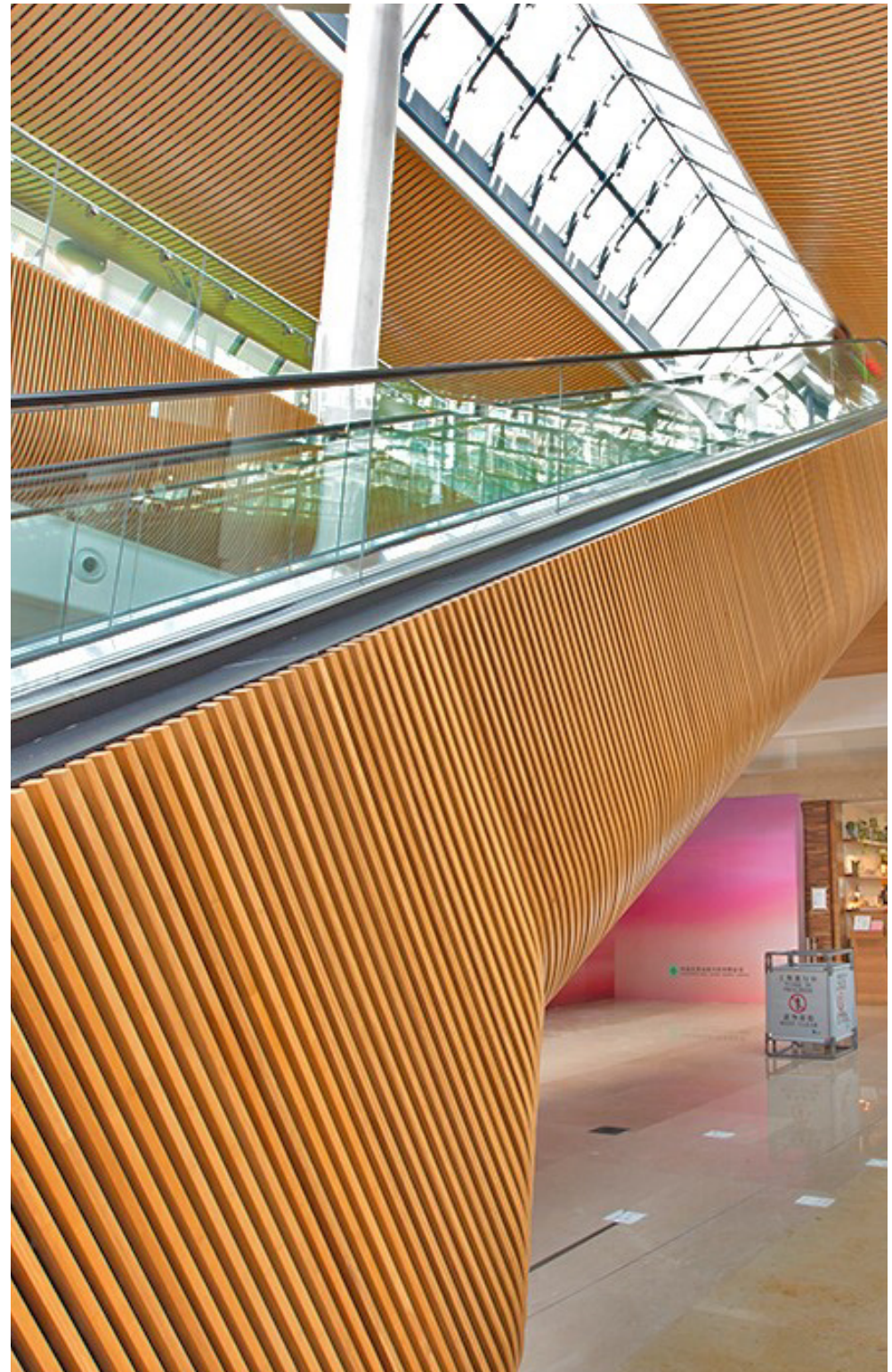
Tall - narrow

Bamboo Size : 20*40mm
(~ 0.80"x 1.6")
Spacing : 20 mm (~ 0.8")



Tall - wide

Bamboo Size : 20*50mm
(~ 0.80"x 2")
Spacing : 50 mm (~ 2")



AIR MESH

The laminated bamboo strips are affixed to a bamboo strip cross-member substrate, with the 2 layers being separated by an 'acoustic mesh' (black fabric) designed to help trap sound waves within the air between the mesh and the back of the substrate strips (Note: a 2" air gap behind the 'mesh' provides an NRC of up to 0.50).

Panel Size: 400mm width x 2.9m/5.8m length (ie: ~ 15-3/4" x 114"/228" length)



Narrow

Bamboo Size : 20*20mm
(~ 0.80"x 0.80")
Spacing : 20 mm (~ 0.8")



Wide

Bamboo Size : 20*40mm
(~ 0.80"x 1.6")
Spacing : 10 mm (~ 0.4")



Mix

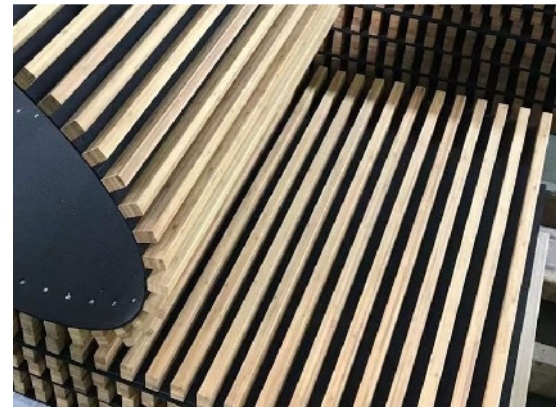
Bamboo Size : 20*20/40/60mm
(~ 0.80"/1.6"/2.4" X
0.80")
Spacing : 8 mm (~ 0.33")



FLEXI

The **FLEXI CoreBOO Slat Wall** panels are affixed to a flexible plywood substrate (5mm thick) that is designed to allow installation flexibility and for curved applications. Can be strategically hung to visually appear like the substrate is curved, when in fact the curvature is an element solely of the FLEXI panel.

Panel Size: 600mm width x 2.4m length (ie: 24" x 96" length)



FLEXI

Bamboo Size : 30*300mm
(~ 1.2" x 1.2")
Spacing : 30 mm (~ 1.2")
Panel Size : 600x2400mm
(~ 24" x 96")

CoreBOO™

Groove Panel

CoreBOO GROOVE Panels are CNC milled profile panels cut from laminated solid bamboo stock. Available in 3 different versions, each with a consistent though different topical profile and pattern, clean, sustainable bamboo lines are yours for the offering. Each piece easily aligns with an adjacent piece to provide a seamless 'grooved' wall.

The CoreBOO GROOVE Panels provide long parallel runs of milled bamboo ridges in three different profiles or versions. With each piece easily aligned with another adjacent piece, a seamless 'grooved' wall in literally a pin nail away from reality.

Panel Size: 400mm width x 2.9m/5.8m length x ~ 18mm thickness
(ie: ~ 15-3/4" x 114"/228" length x ~ 3/4" thickness)



Stripes

Ridge Width : 17mm (~ 2/3")
Groove Width : 8.5mm (~ 1/3")



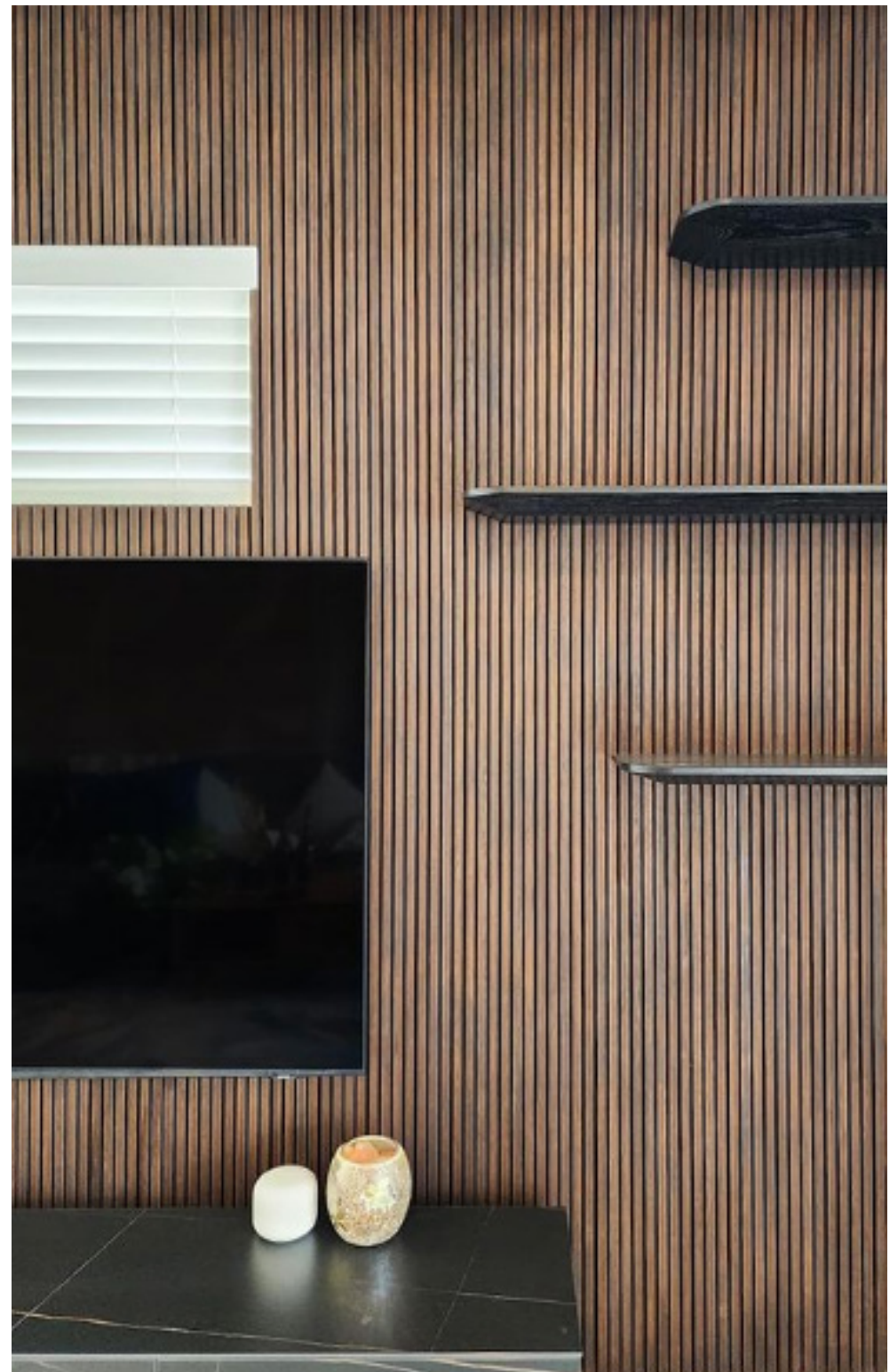
Tracks

Ridge Width : 5mm, 21mm
(~ 3/16", 13/16")
Groove Width : ~ 9mm (~ 3/8")



Wide

Ridge Width : 35mm ("1-3/8")
Groove Width : 11mm ("7/16")



CoreBOO™ Perf Panel

Our **CoreBOO Perf Panel** line revolves around the idea of resonant sound absorption, which involves trapping air to modify certain frequencies of sound. Different hole sizes and their densities provide selective absorption of different frequencies, all which can be varied to a greater or lesser extent based on installation method and related 'air' space allocated behind our panels. Our CoreBOO Perf Panels come in both 'T&G strip' and 'Solid' formats.

T&G STRIP

The **CoreBOO 'T&G Strip' Perf Panels** are linear planks available in 3 different face width profiles (5/8", 7/8", and 1-1/8"), with each strip being separated by 2mm, which allows for the centering of a thick perforation through the plank assembly.

Plank Size: 128mm width x 2m/2.9m length x 18mm thickness
(ie: ~ 5" x 78"/114" length x 3/4" thickness)



Small

Slat Width: 16mm (~ 5/8")



Medium

Slat Width: 23mm (~ 7/8")



Large

Slat Width: 28mm (~ 1-1/8")



SOLID PERF

The **CoreBOO 'Solid Perf' Panels** are solid $\frac{3}{4}$ " thick panels that are available in 3 options, each with a different perforation size, and are designed with symmetry and specific frequency absorption in mind. **NOTE:** custom perforation diameters and layouts available upon request

Panel Size: 600mm width x 600mm/1200mm/2400mm length x 18mm thickness
(ie: ~ 24" x 24"/48"/96" length x $\frac{3}{4}$ " thickness)



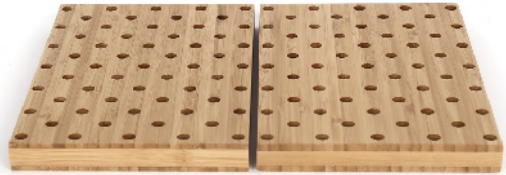
Small

Perf. diameter : 3mm (~ 1/8")
Perf. separation : 16mm (~ 2/3")



Medium

Perf. diameter : 6mm (~ 1/4")
Perf. separation : 16mm (~ 1-1/4")



Grand

Perf. diameter : 8mm (~ 1/3")
Perf. separation : 32mm (~ 2/3")



CoreBOO™ Bamboo Specs

Composition	100% solid bamboo
Density	±680 kg/m ³ (EN323)
Durability Class	1-2 (EN350)
Janka Hardness	1,380 lbf
Moisture Content	10%-14%
Formaldehyde Emission	ND (EN 717-1,ISO16000-9 &ISO16000-6)
TVOC	ND (ISO16000-9:2006/COR1-2007 & ISO16000-6:2011&ISO16000-3:2011)
Fire-rating (standard)	B-s1, d0 (EN13501)
Fire-rating (w/ treatment)	Class A (ASTM E84-17)
Fungus Resistance	Grade 0 (JIS Z 2911)
Bending Strength	111.75 N/mm ² (EN310)
Modulus of Elasticity	9750 N/mm ² (EN310)
Screw Retentivity Rate	(EN13446) Edge withdrawal-Long side: 31N/mm ² Edge withdrawal-Short side: 36 N/mm ² Surface withdrawal: 44 N/mm ²
Water Absorption Rate	(EN318) Change in length: ±0.9 mm/m Change in thickness: ±1%
Determination of Resistance to Indentation	(EN1534) Brinell hardness (HB): 30 N/mm ²
Certification Availability	Forestry Stewardship Council (FSC)

Décor Acoustics

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