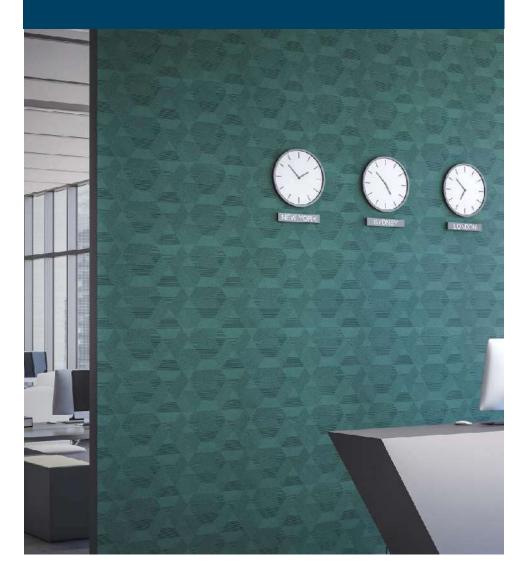
Sustainable Materials

Wall Finishes

Muratto + Versacork + Textura



www.SustainableMaterials.com

Sustainable Materials



Sustainable Materials, by design and through its business model, helps develop and bring cutting edge European design and innovation to the North American decor market. We achieve this by leveraging our deep manufacturing partnerships throughout Europe.

With a focus on sustainability (raw material inputs and low toxicity), product development revolves around creating better products. Even an environmental skeptic would use them because of their excellent technical and design merits. We have then achieved our goal. And sustainability is inherent. We believe in creating better products for a brighter and more sustainable future.

Having won numerous 'global' design awards and accolades, Sustainable Materials' products grace walls, ceilings, and shelves of leading corporations the world over. From Hospitality and Healthcare, to Store and Office design, to the 'retail' channel and OEM production, the marriage of our manufacturing capabilities with a deep product development and design skillset prove an invaluable asset to our partners. We are focused, nimble, and able, and deliver on our clients' expectations, whether standard in nature, or customized based on specific needs.

Please look through this brochure, and supplement that by navigating through our website to see our current and complete product offering. Also, please our sister company brands/products:

Décor Acoustics (<u>www.DecorAcoustics.com</u>) – specializing in 'acoustic' products

CoreBOO™ - bamboo acoustic panels, planks, and slat walls WAVE™ Panels - moulded 'wave' panels from recycled PET felt Acoustifoam™ - closed-cell foam ceiling panels, baffles, and tiles

Sustainable Flooring (www.SustainableFlooring.com) – specializing in 'sustainable' flooring

Densacore™ – bamboo on mineral substrate ComCORK™ – commercially viable cork flooring Hightech™ Woods flooring – super-densified, wide-plank, engineered flooring

Pete Nichols, President

Muratto

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Organic Blocks

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Muratto® is one of the most recognized and respected natural surface brands in Portugal. An effective cooperative, focusing on bringing sustainable innovations in wall and surface decor to market, Muratto has proven its worth since its inception in 2013. Its unique products have resulted in enthusiastic consumers around the world. Muratto has four directives in its approach to product development: Natural Lifestyle, Design, Sharing, and Comfort.



NATURAL LIFESTYLE

Muratto bases its processes and innovations on sustainable design. Whether working with natural raw materials or designing a product around a material's inherent technical attributes, the natural element of raw material selection drives Muratto's design innovations.



DESIGN

Good design is evident in everything that comes from Muratto. Leveraging cultural and historical design elements from around the globe, Muratto benefits from the input of its network of international designers. Muratto then develops manufacturing methods to bring these visions to reality, engaging its skilled multigenerational Portuguese craftsmen and women. Bringing the spectrum of international design together with the handiwork of skilled artisans has helped define Muratto's identity and resulted in global Design Awards and accolades.



SHARING

Sharing is an integral part of Muratto's mission. With an historic background based on the Portuguese tradition of sharing, whether a meal with family or spending time to embrace one's surrounding with others, Muratto believes in bringing this tradition full circle. Looking beyond their immediate reach into an online presence, Muratto engages partners and clients in almost 50 countries. Shared discussions and feedback are integrated into all aspects of its operations.

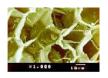


INTERIOR COMFORT

Comfort and what that means for a building's occupants is a focus in their design. Each product developed is endowed with features that enhance the daily life of its user. Inspirational visual impact, acoustic sound mitigation and ambient comfort are key elements in all of Muratto's innovations. Regardless of how one uses their individual senses to find interior comfort, Muratto is continuously working on product development in ways that contribute to this goal.







Cutting Cork Stacks of harvested cork

Cellular structure

muratto®

Organic Blocks

a color-infused, densified, and molded cork surface treatment that provides sound absorption while offering a visually customizable 3-dimensional décor element. Each shape and pattern is available in 18 standard colors.



Cork Strips - Zig Zag - Red + Taupe



Design Blocks - Hexagon - Multicolored





Acoustic Panels – Buzzer – Olive + Grey

recycled + rapidly renewable

Cork Strips

are larger format, lower relief panels that excel in larger installation areas where understated décor elements are of greater importance than striking visual artistic designs.



Infinity

690*390*7mm/pc ~(27 ¹/6" x 15 ¹/3" x 5/16") 10 pcs / box ~(29.6 sqft / box)

* see website for Infinity pattern inserts: Cross, Flow, and Sphere



Zigzag

702*398*7mm/pc ~(27 ⁵/₈" x 15 ⁵/₈" x ⁵/₁₆") 10 pcs / box ~(30 sqft / box)



Wave

507*504*7mm/pc ~(20" x 19 ⁷/8" x ⁵/₁₆") 10 pcs / box ~(27.5 sqft / box)

Step

707*487*12mm/pc \sim (27 $^{7}/8$ " x 19 $^{1}/6$ " x $^{1}/2$ ") 10 pcs / box \sim (37 sqft / box)



Noise Reduction Coefficient: 0.30 (absorbs ~50% of human voice frequency)

Geometric

634*400*7mm/pc ~(25" x 15 ³/₄" x ⁵/₁₆") 10 pcs / box ~(27.3 sqft / box)



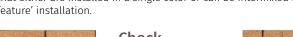
Fire-rating: Class A (in 'sprinkled assemblies; Class B is standard) **Installation:** Direct glue

Color Options



Design Blocks

is the flagship line within the Organic Blocks that presents itself in high-relief, molded, geometric shapes that either are installed in a single color or can be intermixed for a more customized full wall or 'artistic feature' installation.





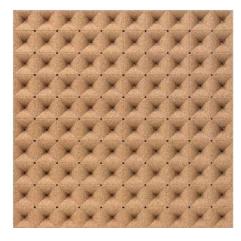
Chock

250*250*24mm/pc ~(9 ⁷/₈" x 9 ⁷/₈" x 1") 16 pcs / box \sim (10.76 sqft / box)



Minichock

250*250*24mm/pc ~(9 ⁷/₈" x 9 ⁷/₈" x 1") 16 pcs / box ~(10.76 saft / box)



Acoustic Panels

embraces shadowing elements which add greater transitional 'depth' to the designs.

Undertone

are designed to provide very high levels of acoustic absorption using a contemporary aesthetic that

500*500*29mm/pc ~(19 5/8" x 19 5/8" x 1") 4 pcs / box ~(10.76 sqft / box)

Noise Reduction Coefficient: 0.70 (installing w/ 'sleeper' system; 0.60 – as direct glue)

Fire-rating: Class A (in 'sprinkled assemblies; Class B is standard)

Installation: 'sleeper' system or direct glue



Peak

250*250*24mm/pc ~(9 ⁷/₈" x 9 ⁷/₈" x 1") 16 pcs / box ~(10.76 sqft / box)



Beehive

250*180*22mm/pc $\sim (9.7/8" \times 7.1/8" \times 7/8")$ 16 pcs / box \sim (7.75 sqft / box)



Senses

250*160*45mm/pc $\sim (9.7/8" \times 6.1/4" \times 1.3/4")$ 15 pcs / box ~(4.68 sqft / box)



Hexagon

220*190*30mm/pc $\sim (8^{2}/3^{\circ} \times 7^{1}/2^{\circ} \times 1^{2}/5^{\circ})$ 22 pcs / box \sim (7.41 sqft / box)



Drop

224.2*150*34.4mm/pc $\sim (8.7/8" \times 5.7/8" \times 1.1/3")$ 15 pcs / box \sim (3.63 sqft / box)



Kubus

141.8*141.5*88.6mm / pc $\sim (5-5/8" \times 5^{-5}/8" \times 3^{-1}/2")$ 24 pcs / box ~(3.31 sq.ft. / box)



Buzzer

500*500*29mm/pc ~(19 5/8" x 19 5/8" x 1") 4 pcs / box ~(10.76 sqft / box)

Noise Reduction Coefficient: 0.80 (installing w/ 'sleeper' system; 0.70 - as direct glue)

Fire-rating: Class A (in 'sprinkled assemblies; Class B is standard)

Installation: 'sleeper' system or direct glue

Noise Reduction Coefficient: 0.30 NRC (absorbs ~50% of human voice frequency) **Fire-rating:** Class A (in 'sprinkled assemblies; Class B is standard)

Installation: Direct glue

Color Options



Natural



Yellow





Red



Olive



Turquoise



Taupe







Copper





Bordeaux





Emerald



Blue



Aubergine





Black



Sarge



Sand



Grape

Grey



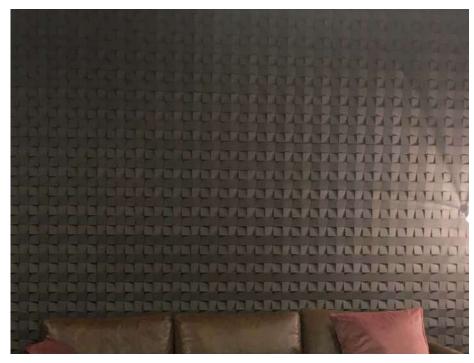
Undertone – Multicolored



Wave – Ivory (installation layout #2)



Beehive - Natural



Minichock – Black



Step – Olive



Geometric - Yellow



Infinity – Blue



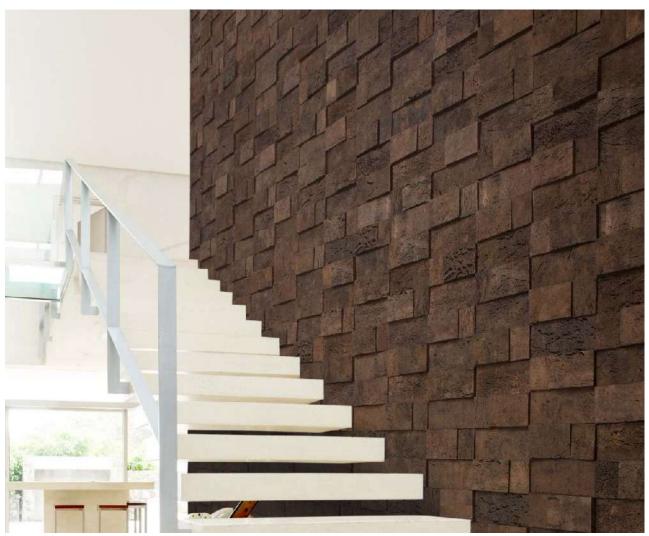
Peak – White (painted)

1/.

muratto®

Cork Bricks

a textured and 3-dimensional wall finish made from natural cork bark, offering sound absorption, a tackable surface, and availability in multiple full-body 'immersion' color options. Available in 3D, Beveled, and Grand versions.





Beveled - Natural



tackable + resilient



Grand - Multicolored

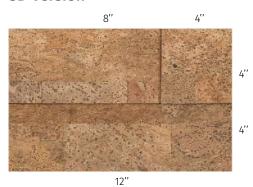


effectively absorbs sound

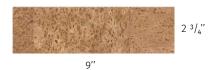
3D - Brown

Cork Bricks

3D Version



Beveled Version



NOTE: all inch measurements are approximate values based on metric conversions

3D Component Sizes:

300*100*7mm ~(12" x 4" x 5/₁₆") 200*100*11mm ~(8" x 4" x 7/₁₆") 100*100*14mm ~(4" x 4" x 9/₁₆")

3D Quantity per box:

27 pieces (9 of each size) 5.81 sq. ft. / box

3D Installation:

Water-based contact cement

Grand Version



Beveled Size:

230*70*7mm ~(9" x 2 3/4" x 5/16")

Beveled Quantity per box:

62 pieces 10.74 sq. ft. / box

Beveled Installation:

Water-based contact cement or self-adhesive

Color Options



Natural



Black



Brown



Terracotta



Ivory



Black Silver



Brown Silver





Green



Grey



Brown Gold

Grand Component Sizes:

300*200*4mm ~(12" x 8" x ²/₁₆") 200*200*7mm ~(8" x 8" x 5/16") 200*100*11mm ~(8" x 4" x ⁷/₁₆") 100*100*14mm ~(4" x 4" x 9/₁₆")

Grand Quantity per box:

32 pieces (8 of each size) 11.19 sq. ft. / box

3D Installation:

Water-based contact cement

Composition:

100% natural cork bark

Noise Reduction Coefficient:

0.15 NRC (absorbs approx. 40% of sounds in the human voice frequency range)

Colorization:

Water-based, anti-bacteria pigmentation achieved through 'immersion'



Beveled – Ivory



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3D (via 'CNC') - Brown



3D - Natural 3D - Terracota

muratto®

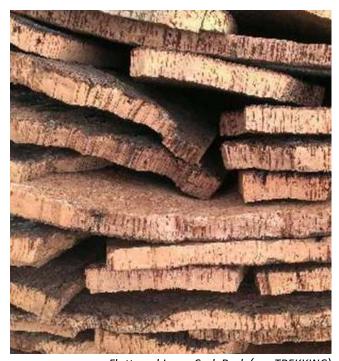
Cork Bark[™] **Panels**

Muratto's **CORK BARK** TM **Panels** allow you to really enjoy the natural majestic beauty of the cork oak trees, but indoors. Our biophilic panels are made using different parts of the 'bark', each processed in different ways depending on the version, all of which incorporate small fragments of natural preserved moss throughout each panel. The panels are currently available in Virgin Tree and Trekking versions. The contrast created in each is striking, yet comforting and peaceful at the same time.





Outer Cork Bark (see VIRGIN TREE)



Flattened Inner Cork Bark (see TREKKING)

Cork Oak Trees

VIRGIN TREE

Cork Bark

The **VIRGIN TREE** *Cork Bark* panel is made using the outer bark of the cork oak. It is rugged, textured, heavily mottled, and provides high contrast. Blended with the moss, one feels they are sitting in 'nature'.

Panel Size:

1480 * 600 *25mm (approx. 58-1/4" x 23-5/8" x 1")







Virgin Ivory

Virgin Green







Virgin Terracota



Virgin Sandstone Black



Close-up of Virgin Tree (Natural) with moss



Virgin Tree (Natural) seating area

TREKKING

Cork Bark

The **TREKKING** Cork Bark panel is from the inner core of the cork bark that is compiled once the bark is 'steamed' and flattened, and then both the inner layer and rough outer layer are removed, leaving just the core material. These flattened core strips are stacked, and laminated, providing a very linear presentation, that undulates in depth ever so slightly, but in doing so provides a rhythmic texture.

Panel Size:

900 * 300 * 25-30 mm (approx. 35-1/2" x 11-7/8" x 1-1.25")









Trekking Green



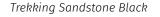




Trekking Terracota

Trekking Ivory







Close-up (at angle) of Trekking (Natural)



Trekking Brown

Trekking (Sandstone Black)

muratto[®]

Primecork

a large format and extremely durable cork wall panel made with a proprietary dual-veneer surface lamination. Available in matte natural cork visuals (Classic), as well as metallic semi-gloss options (Premium) – either available in both standard or 'tackable' versions.



TE FURIELINE

BURGERINE

BURGERIN

Classic – Natural



silky smooth visual appeal



Premium - Blue



options to complement any decor

Classic – Taupe

Primecork

Classic Premium



Natural



Leather



Green



Terracotta



Amber



Gold



Pink



Moonstone



Brown



Ivory



Champagne



Black



Sapphire



Serge



Black Gold



Black Silver



Dark Grey



Taupe



Deep Indigo



Blue



Brown Silver



Platinum



Standstone Black

31

Standard Thickness:

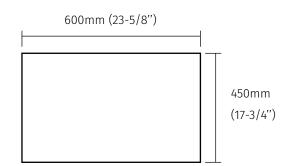
4mm (1/6") 9mm (1/3") ✓ tackable

Composition:

100% cork (dual layer cork veneer laminated onto a conglomerated cork base)

Standard Size:

600x450mm (23-5/8"x17-3/4")



Installation:

Water-based contact cement (Wakol Loba D3540)

Finish:

Classic:
natural protective coating
(matte sheen level)
Premium:
metallic protective coating
(semi-gloss sheen level)

Customization:

Custom sizes and thickness are available upon request.



*approx size in inches based on metric conversion

muratto®

Concrete Overlay

is an environmentally friendly and sustainable collection which redefines the concrete 'concept'. Concrete Overlay panels are a thin veneer of natural cement on a natural, stable backer. Our panels are VOC-free, and contain NO toxins, chemicals, gypsum, or glass fibers.



Medium



Medium





Black



saving carbon one concrete wall at a time

Concrete Overlay





Black White



Medium

Features and benefits:

- Lightweight (approx. 1 lb./sq.ft.)
- Easy to handle and install.
- Extremely stable
- Class "A" for fire (ASTM E84)
- Contains NO Toxins and is VOC-free



Medium

Composition:

Real concrete wear-layer on top of VOC-free, inert panel substrate

Custom Options:

Custom sizes and different 'finishing techniques' are available upon request (inquire as to standard options)

Installation:

Fast-setting unilateral construction adhesive

Finish:

Material ships 'natural', though in high-traffic applications or when 'white' is used, a concrete or stone sealer is recommended (inquire for specific recommendations)

^{*}Note: Contact us for Panel size options and packaging information.



Versacork Concepts evolved from the belief that sustainable product development revolves around using readily available material. It then embraced the features of that material to create an enduring product with a range of applications.

VERSACORK® is a tile mosaic made from rapidly renewable cork. The cork, harvested from the cork oak tree, is peeled from the trunk of the tree, leaving it to regrow naturally. Versacork is a 100% byproduct of the cork stopper industry. The cork mosaics are created by cutting the individual pieces to size and mounting them on a mesh backer, which defines the spacing. This adds to ease of installation. Cork in this unaltered state is only found in Versacork. It brings to the design world unique aesthetics, versatility, and intrinsic technical merit



Cork - Nature's Material

Cork is a unique material. Consisting of more than 200 million cells of air per cu.in., cork's innate structure provides tremendous elasticity, enabling compression to half its size without loss of flexibility. A wine cork removed from a wine bottle is a good example of this. Cork is also impermeable to moisture. Think of how wine bottles can be stored on their sides for decades. The material's compression and impermeability contribute to its excellent thermal and acoustic strengths.



Versacork's Technical Strength

Versacork has unmatched technical value when used in a flooring application:

- Impermeability can be used in wet applications including showers
- Elasticity + Slip Resistance provides softness underfoot with excellent slip resistance
- Thermal insulation warm to the touch when walked upon
- Acoustic insulation absorbs and dissipates sound transmission



Versatility in Design

Versacork's color is attractive in its natural state. And it can easily be stained using a commercial stain before installation. Versacork was originally designed as a flooring material. However, it is now used extensively in wall applications, to cover furniture/millwork components, and as decking for ocean faring yachts. Versacork is truly sustainable - offering many lifestyle benefits and values that other mosaic or flooring materials do not have.







Natural Cork Forest

Making cork Stoppers

Wine corks

Versacork®

a 'post-industrial', recycled cork mosaic tile sourced as 'by-product' from the wine bottling industry. Suitable for flooring and wall installations, Versacork provides unmatched design versatility with technical benefits no other tile can offer.



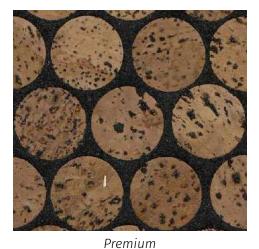


wet and dry applications



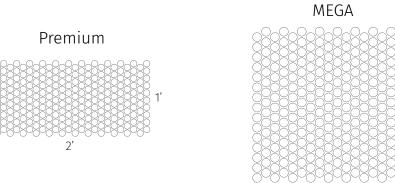
thermal insulator (radiates body or room heat back)

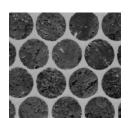
Versacork®





MEGA













Variety of stain and grout options



Size Options:

Premium

Discs: 1" diameter

Sheet size: ~ 1/4" x 1' x 2'

Mega

Discs: 1 3/8" diameter Sheet size: $\sim 1/4$ x 2' x 2'

Finishes and Construction:

Prefinished:

- UV cured urethane
- Mesh backing

Unfinished:

- Stainable and sealable
- Plastic-faced for easy installation

Installation:

Grouted tile mosaic

Coefficient of Friction:

Exceeds ADA standards for slip resistance

- Wet .879
- Dry 1.1

Composition:

Solid 'post-industrial' recycled wine cork material

Thermal Properties

(per ASTM C 518):

· Resistance (r) - 0.49



TEXTURA® is a brand of sustainable wood wall décor designed to create a rich looking aesthetic. Textura incorporates several main directives in its product development and design that include natural raw materials, dimensional design, and high quality, non-toxic components.



Textura Recycled is an interlocking wood wall panel. It is designed to highlight and embrace the natural beauty of real wood. The juxtaposition of varied thicknesses and sized slats contribute to a rich array of textures. Made from natural wood – some recycled and reclaimed – Textura Recycled is mounted on Baltic Birch plywood. The staggered edge and interlocking panels contribute to a seamless look, making installation straight forward. Available in three different heights, each with a different thickness, the Oak, Maple, Walnut and 'mixed species' choices effectively provide a varied palette of options. Textura Recycled brings an aesthetic of modern clean lines with an element of depth and texture to the forefront



Textura Fusion planks are very durable, wide (and long length), real wood 'planks' that are engineered for hardness and stability, but also for quick and easy installation. Fusion planks are made of FSC-sourced material, and come in Oak, Ash, and Walnut species. Having a moisture stability of over 5x that of engineered plywood products, it is no wonder why Fusion planks can be used in high humidity applications without issue. If you seek 'real wood' on the wall, with the natural grain variations that milled lumber provides, you have found your product. (Please note: also available in matching 'flooring' planks)

Textura GROOVE panels are CNC milled profile panels cut from laminated and sustainable solid bamboo stock. The GROOVE panels provide long parallel runs of bamboo ridges that when installed result in a highly sophisticated and seamless, yet 'grooved', bamboo wall. Available in 3 different versions, each with a consistent though different topical profile/pattern, clean and sustainable bamboo lines are yours for the offering.



Healthy forest canopy

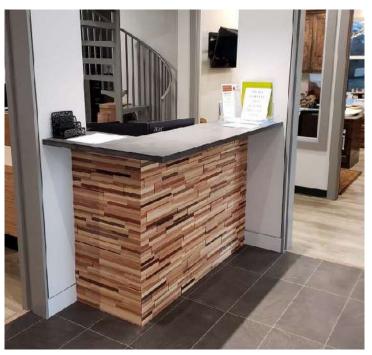


Naturally growing and abundant 'bamboo' forest

Textura® Recycled

an interlocking wood wall panel that uses the beauty of natural wood to provide modern lines with an element of depth and texture. The staggered edge and interlocking panels make the seamless installation a breeze.





Jungle Light





Cuban Oak

highly densified and stable

Walnut

Recycled

Domestic Series

Recycled

Jungle Series



Walnut



Cuban Oak



Jungle Light



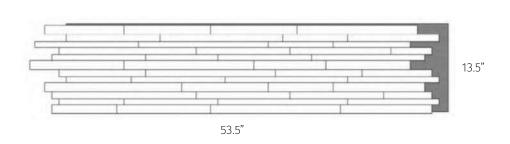
Jungle Dark



Mossy Maple



Jungle Medium



Domestic Size:

13.5" x 53.5" x ~3/8" 25 sq. ft / box (5 panels)

Finish: •

UV-cured urethane

Jungle Size:

12" x 60" x ~1/2" 25 sq. ft / box (5 panels)

Finish:

100% Natural Oil

60"

Composition and Construction:

Wood strips laminated onto Baltic Birch ply-core

Installation:

Construction adhesive

Fire-rating:

Available as Class "A" (per ASTM E84)

Accessories:

Contour moldings

Customization:

Other select species and colors based on certain minimums

Textura®

Fusion

An extremely densified, stable, and easy to install real wood plank made via a proprietary 'fusion' manufacturing method that melts the wood top layer to the core. Available in 2 widths, with differing set lengths, you have 10 style options in Oak, Ash, and Walnut. The beauty of real wood and its' clean 'grain' has never been so attainable for wall installations.



Oak Latte





Easy installation

Proprietary clips for simple and fast installation

Walnut Natural

Fusion







Chestnut Oak



Tobacco Oak



Country Ash



Field Ash



Light Weather



Oak Latte



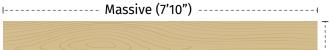
Natural Walnut



Medium Weather



Smoked Walnut



Wide (7'10") ------



Sizes:







8-1/4" x 87"

(* Note: Walnut species only available in the 'Wide' size)

Installation:

FSC- certified 'real wood' engineered composite

Finish:

UV cured acrylic

Fire Rating:

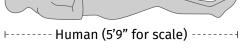
Bf1-S1

Composition:

FSC- certified 'real wood' engineered composite

Customization:

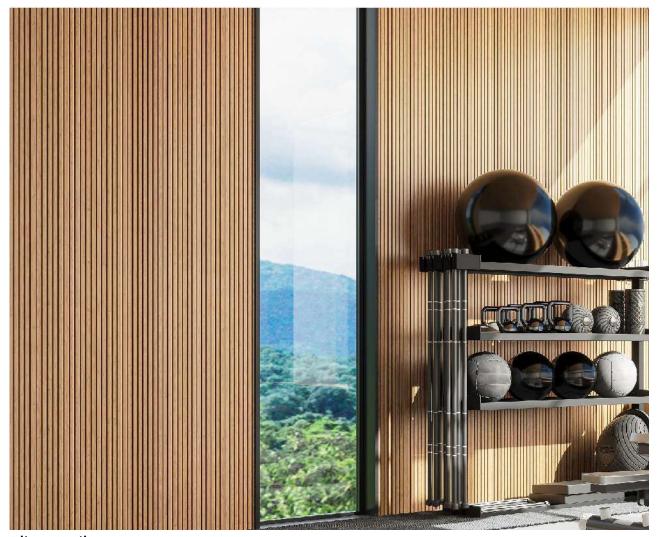
has matching 'commercial' durability flooring



Textura®

GROOVE

The GROOVE panels provide long parallel runs of bamboo ridges that are milled into an engineered, yet solid bamboo substrate. Available in 3 different profiles, and 9 colors, your seamless 'grooved' bamboo wall is literally a pin nail away from reality.





Plateau – Hazelnut and Black

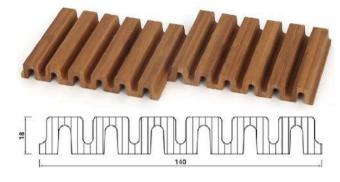


Ribs - Medium

Plateau – Light

GROOVE

Ribs



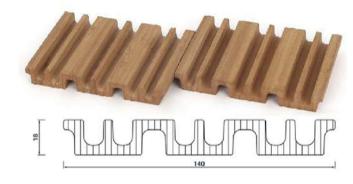
Ridge width:

~2/3"

'Groove' width:

~1/3"

Mesa



Ridge widths:

"3/16", " 13/16"

'Groove' width: "3/8"

Colors



Light

Medium

Dark







Grey

White





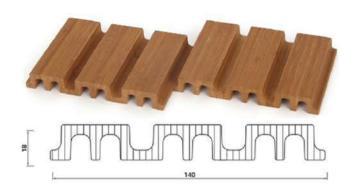


Walnut

Hazelnut

Teak

Plateau



Ridge width:

*"*1-3/8"

'Groove' width:

"7/16"

Dimension:

Panel Thickness: 3/4"

Panel Length: 8' (*Customizable up to: 19')

Panel With: 5-1/2" (per piece)

Composition:

Bamboo - 100% bamboo

Customizations:

"FSC-certified' material available

Fire-rating:

Available as Class "A" (per ASTM E84-17)

Finish:

All colors available either in a UV Lacquer ('satin' sheen) or 'rubbed' Oil (matte' sheen)

Installation:

Pin nail, adhesive, or 'Z' clip



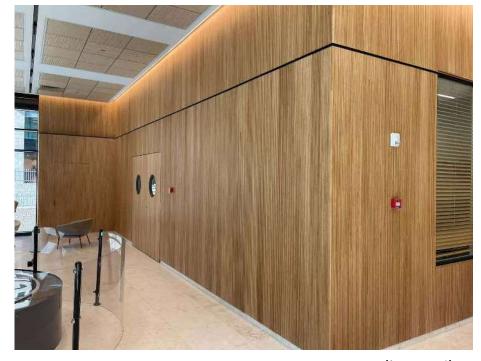




Plateau - Hazelnut



Ribs - Medium



Ribs – Medium



info@SustainableMaterials.com www.SustainableMaterials.com 720-449-3063

Thank you for your interest in Sustainable Materials.

Please also visit our partner companies and product lines:

Décor Acoustics – specializing in 'acoustic' products

(www.DecorAcoustics.com)

CoreBOO™ - bamboo acoustic panels, planks, and slat walls
WAVE™ Panels – moulded 'wave' panels from recycled PET felt
Acoustifoam™ - closed-cell foam ceiling panels, baffles, and tiles

Sustainable Flooring – specializing in 'sustainable' commercial flooring

(www.SustainableFlooring.com)

 ${\sf Densacore^{\mathsf{TM}}-bamboo\ on\ mineral\ substrate}$

 $\mathsf{ComCORK^{TM}}$ – $\mathsf{commercially}$ viable cork flooring

Hightech™ Woods flooring – super-densified, wide-plank, engineered flooring