



VERSA

These Aren't Wall Art; They're Made to Step On.

Versa | The Magic of quadrilaterals



... And in the beginning, there was the Line!

We are Morfloor, the provider of parquet flooring that transcends the boundaries of routine and conventionality. Our audience is exclusive, and for them, flooring and its details hold as much significance as any other element in the architectural creation of their project.

Our claim is to supply such parquet flooring, luxurious, but not in the conventional sense; rather, as befits the true essence of the word luxury. Each of the seven Morfloor parquet series is designed with this philosophy in mind, embracing a unique perspective. Our material is wood, and our endeavor is to transform this gift of the Earth into its artistic perfection. Morfloor perceives parquet beyond mere functionality, it is a form of art.

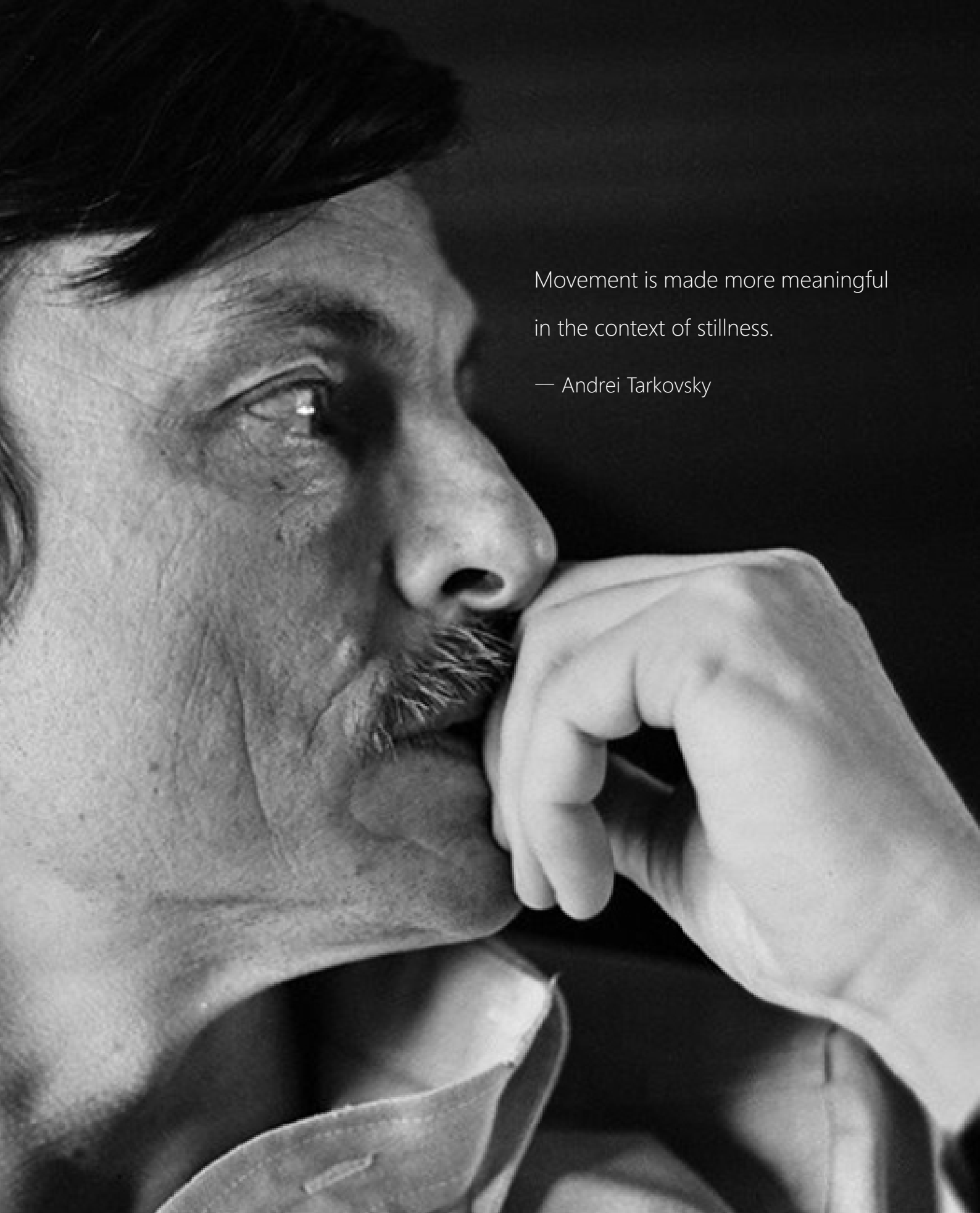
The Versa parquet series embodies all the elements of a true artistic masterpiece. This series is founded upon the line, lines that are orderly and straight, or broken and sometimes intertwined in the most complex ways. In Versa, flooring is not just a background for other design elements. Rather, this parquet series acts as a canvas, as vast as the project's floor plan, influencing the overall concept beyond technical aspects.

The thickness, color, and length of the lines, along with their repetition in the parquet tiles and modules, define the rhythm, harmony, and contrast of this artistic creation. This is precisely why bold designers can create extraordinary designs with this series, ranging from completely classic herringbone textures to truly minimalist compositions in their purest sense.

Here, lines are in motion—either static or dynamic, harmonic or contrasting. In essence, this parquet series redefines wood itself, transforming it into a natural motif that is entirely at the architect's command. Sublime, Vertis, Net, and Tecton are the four main families of Versa, each narrating its own story through the composition of tiles, structural blocks, and the materials used. This book is a guide to the motif that, through its various transformations, shapes these four grand families of parquet.

This book is a study of the line, dedicated to those who, like Euclid, believe:
"Geometry begins with the line."





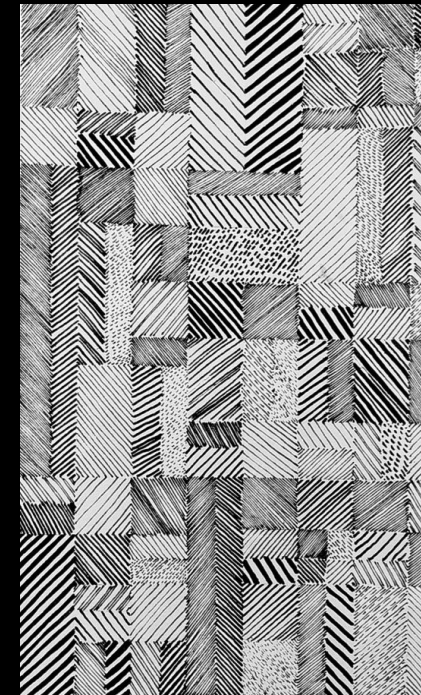
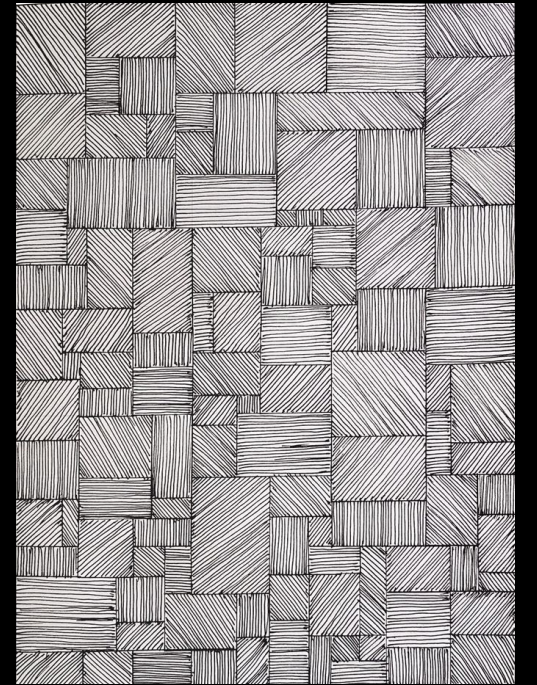
Movement is made more meaningful
in the context of stillness.

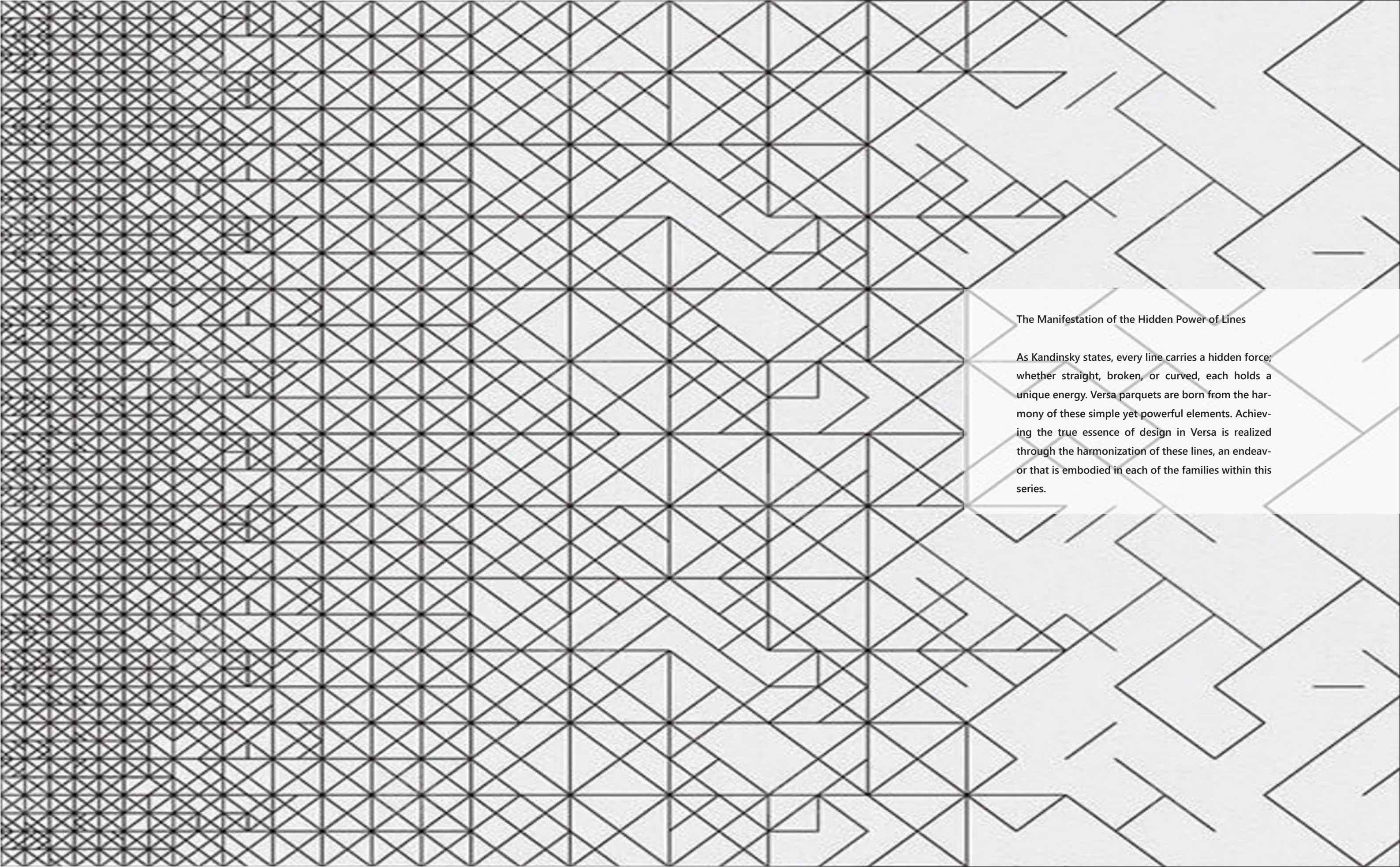
— Andrei Tarkovsky

A trip through primitive shapes.

CONCEPT

These Aren't Wall Art; They're Made to Step On.





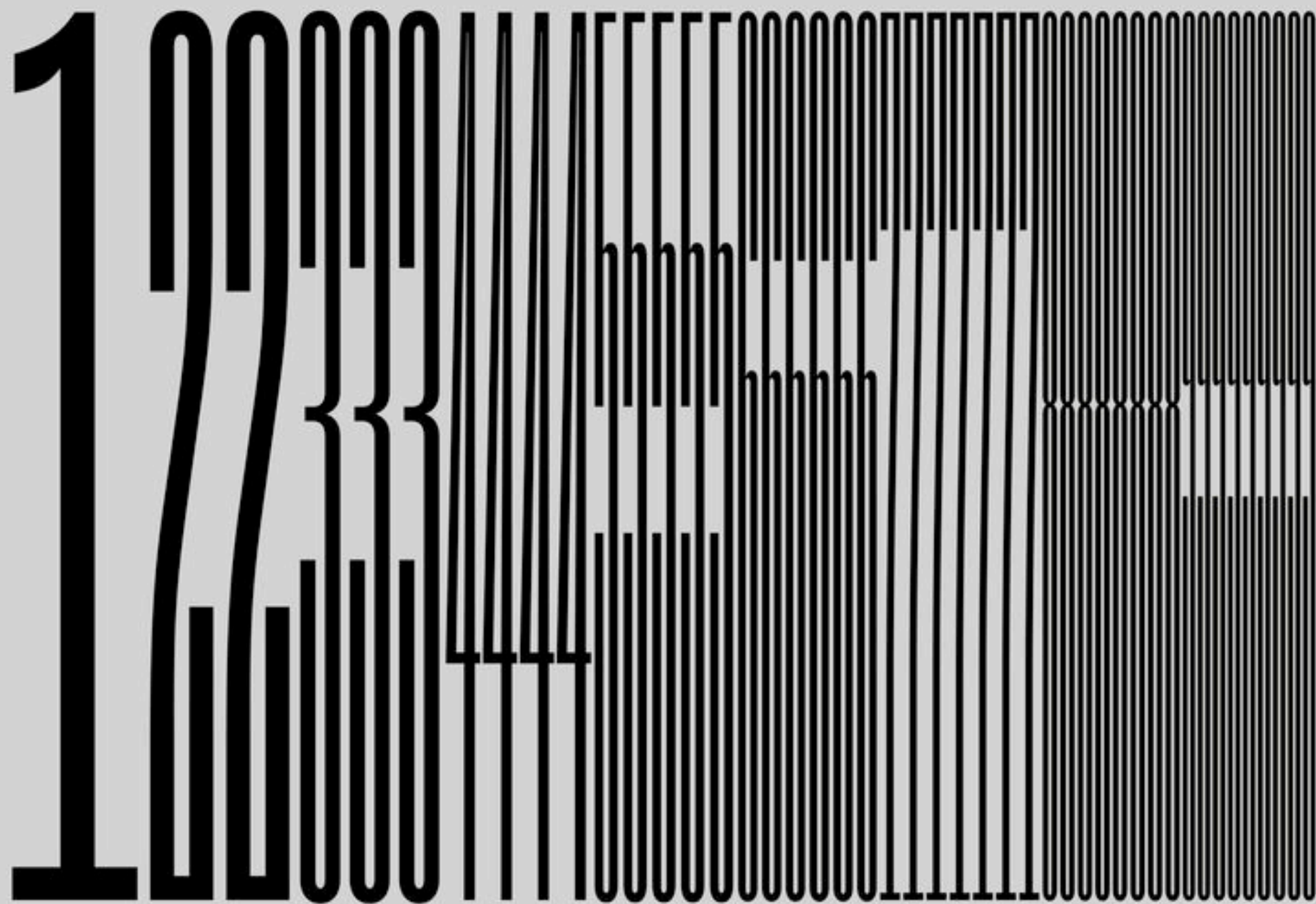
The Manifestation of the Hidden Power of Lines

As Kandinsky states, every line carries a hidden force; whether straight, broken, or curved, each holds a unique energy. Versa parquets are born from the harmony of these simple yet powerful elements. Achieving the true essence of design in Versa is realized through the harmonization of these lines, an endeavor that is embodied in each of the families within this series.

The Convergence of Line and Wood in an Artistic Masterpiece

Versa presents a new perspective on wooden parquet, transforming the line into the essence of design. In this series, every element is built around lines, sometimes structured and rhythmic, sometimes unfolding in unexpected twists that create striking contrast. In Versa, wood transcends conventional boundaries, becoming a medium for bold design expressions—a living artwork that simultaneously preserves its natural identity while remaining entirely at the architect's command.





Seven designs, one essence: the line.

Beyond the Machine

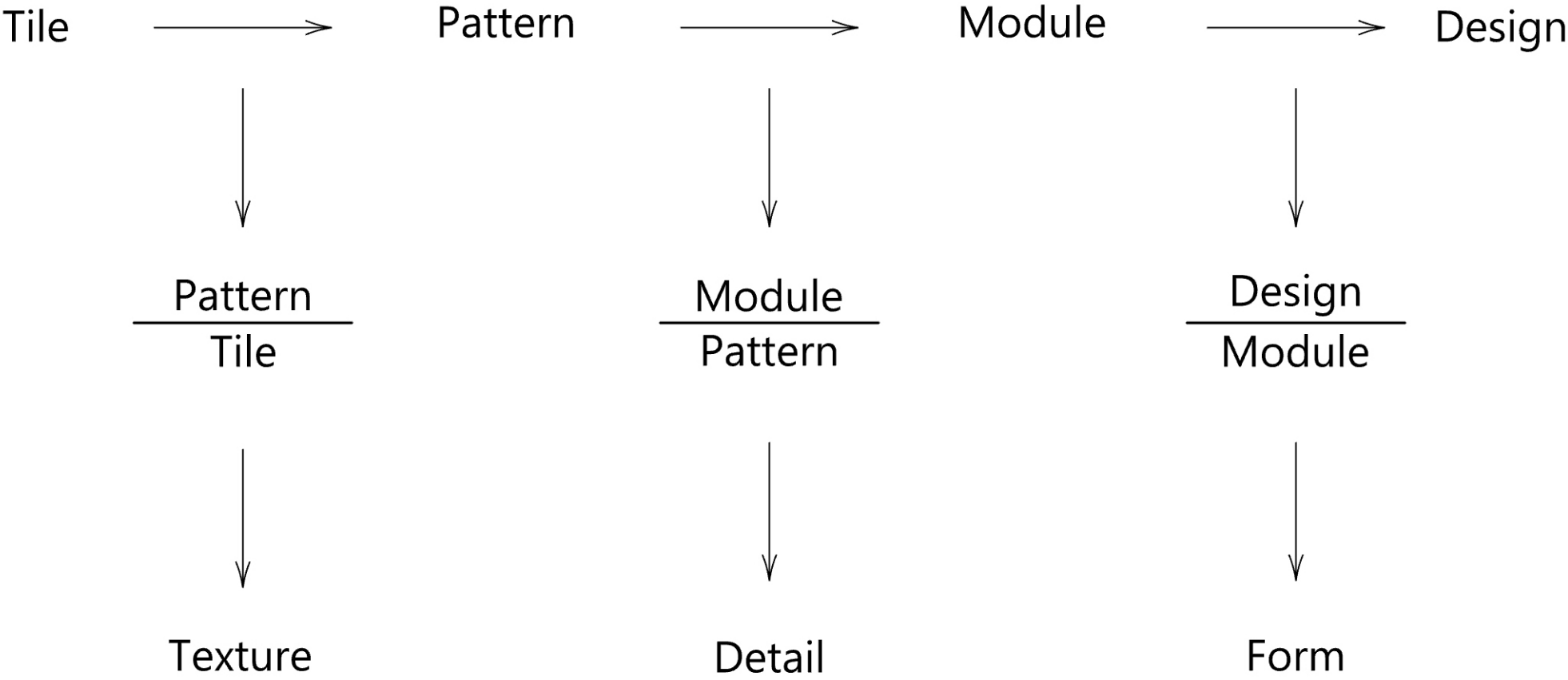
Versa is the result of a multi-stage, handcrafted process, where wooden pieces are meticulously assembled with the utmost precision. To achieve a unique and rich texture, master craftsmen first separate wood species based on their natural color and then, following the specific form of each Versa family, carefully construct the tiles. The precision of Morfloor artisans in this process is akin to that of master marquetry craftsmen—where even the slightest mistake can disrupt the fractal patterns of Versa.





Design is the architect's mind made visible,
and the line is its earliest and purest expression.
– L. Moarref

DESIGN



SUBLINE

In the Subline family of the Versa series, long tiles are meticulously crafted with a uniform, repeated pattern that epitomizes minimalist elegance. This design approach imbues spaces with a refined sense of order and harmony, setting a tranquil yet striking visual rhythm throughout the floor. The collection is thoughtfully presented in two distinct variations, each catering to a unique design philosophy. In Subline01, every tile—and consequently the entire floor—displays one consistent pattern, creating an uninterrupted, cohesive canvas. Conversely, Subline02 arranges panels side by side, introducing a dynamic, chess-like configuration that allows for subtle pattern variations while preserving overall unity. This clever interplay between steadfast uniformity and controlled variation provides designers with a versatile solution that marries simplicity with sophistication. The result is an environment where precision meets artistic flair, elevating the minimalist aesthetic to new heights. Ultimately, the Subline family redefines contemporary flooring by transforming ordinary spaces into canvases of refined, modern beauty.



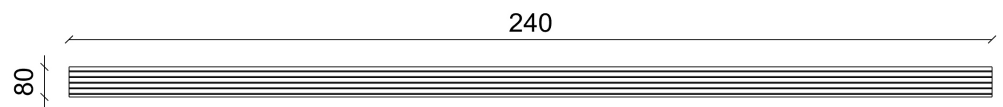


Everything should be made as simple as possible,
but not simpler.
– Albert Einstein



SUBLINE 01 / Tile

The 240 x 8 Subline 1 tile, with its precise and uniform pattern, forms integrated modules when placed side by side, creating a cohesive layout. This tile can be executed in two distinct configurations, offering flexible design solutions to meet diverse project requirements.



Subline 01 is a refined 2-layer wood product engineered with precision. Featuring a tongue and groove system, it ensures a seamless interlocking of panels. The design philosophy is built upon the timeless principle of “less is more.” Every element is meticulously crafted to showcase the inherent beauty of simplicity. Its layout is defined by a consistent pattern of parallel lines that extend across the entire plan, creating an organized and rhythmic visual flow. This continuous motif instills a sense of order and calm in the space. The interplay of form and texture is evident in every detail, embodying the concept of “when form follows texture.” The product celebrates the natural character of wood by allowing its subtle grain to shine through a minimalistic design. It transforms conventional flooring into an artful expression of modern design. Ultimately, Subline 01 stands as a testament to elegance achieved through restraint and thoughtful craftsmanship.

SUBLINE 01 / Pattern per Tile

The Subline 01 collection showcases a variety of patterns, all crafted from birch wood. Each pattern presents a unique visual rhythm, emphasizing minimalism and harmony. Designed to offer flexibility, these patterns provide versatile application across different project needs.

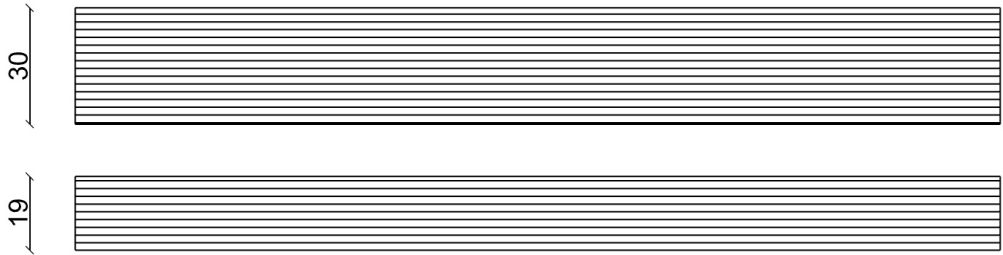


Pattern 01 – Birch
Parallel to the Length, This model aligns with the length of the tile, creating a sleek, organized flow across the floor.

SUBLINE 01 / Module per Pattern

In the Versa series, the flooring comes together from a selection of tiles arranged in distinct patterns, creating cohesive modules. In Subline 01, the primary modules are available in 240x19 and 240x30 sizes. Based on three unique patterns, these modules combine to create six main configurations, offering flexible, modern design solutions. for 4 seconds

Within the Versa series, floor parquet is created from modules built on varied tile patterns. In Subline 01, two primary module sizes, 240x19 and 240x30 , serve as the foundation, and when arranged across three distinct patterns, they define a total of six main modules. This innovative modular approach offers exceptional design flexibility while delivering a refined, modern aesthetic.

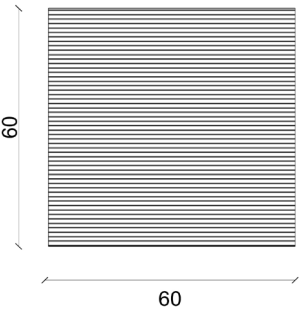






SUBLINE 02 / Tile

In the Subline 02 family of the Versa series, innovation meets tradition with meticulously crafted 60x60 square panels designed to redefine modern flooring. These panels are engineered with a unique rotating pattern that shifts relative to each neighboring module, establishing a dynamic interplay of orientation and movement across the entire surface. Each panel contributes to an ever-evolving visual rhythm that infuses spaces with energy and a subtle sense of motion, transforming static floors into vibrant, interactive canvases.



Every element of the Subline 02 design reflects a careful balance between minimalist clarity and artistic complexity. The rotating pattern is not random but is precisely calibrated during production to create a harmonious yet varied overall layout. As panels interact with one another, their shifting directions generate a sophisticated mosaic where the simplicity of geometric form is enriched by organic variations. This interplay of order and variation evokes a contemporary aesthetic that is both refined and engaging, inviting the observer to appreciate the nuanced transformation of light and shadow on the floor.

Beyond its technical ingenuity, Subline 02 celebrates the intrinsic beauty of wood. The natural textures and colors inherent in the material shine through the design, enhancing the visual impact of the rotating pattern. By marrying the purity of minimalist design with the warm, authentic character of wood, these panels create environments that are at once modern and timeless. The result is a flooring solution that not only elevates the spatial experience but also serves as a statement piece—an immersive expression of innovation, tradition, and the transformative power of design.

SUBLINE 01 / Pattern per Tile

The Subline 02 collection introduces a revolutionary approach with 60x60 square panels that dynamically shift their pattern orientation relative to adjacent panels. This innovative system creates a living, evolving floor design where color nuances can vary between panels when executed with a bevelled finish. Five distinct pattern states—each drawing inspiration from natural wood characteristics—offer unparalleled design flexibility and artistic expression.



Pattern 01 – Birch
Crafted from pristine birch, this pattern exhibits a clear, minimalist aesthetic with a consistent flow, accentuated by a bevelled finish that enhances its natural light tone. Its simplicity establishes a calm, cohesive foundation for modern interiors.



Pattern 02 – Birch 45°
In this configuration, the birch panels are rotated 45°to introduce an angular, geometric rhythm, while the bevelled edges accentuate the dynamic interplay of lines. This approach infuses the space with a subtle yet striking visual twist.



Pattern 03 – Birch with Narrow Padauk Streaks (Frequency)
This design integrates delicate, narrow Padauk streaks within a birch background, arranged in a frequency-inspired pattern that stands out when bevelled. The rich accent lines create a captivating contrast against the gentle birch tone, adding depth and intrigue.



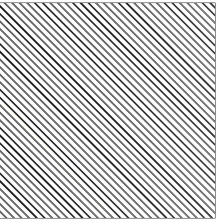
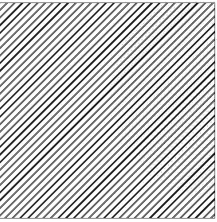
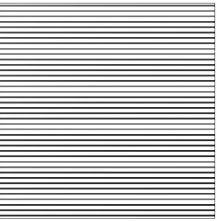
Pattern 04 – Oak
Inspired by the timeless elegance of oak, this pattern brings a warmer, textured alternative with pronounced grain details enhanced by a bevelled installation. The natural depth of oak tones delivers a striking, classic look that harmonizes with contemporary design.



Pattern 05 – Walnut
Showcasing the sophisticated allure of walnut, this pattern highlights deep, luxurious hues and intricate grain details, all brought to life with a bevelled finish. Its refined character offers a bold yet elegant statement, perfect for modern, upscale interiors.

SUBLINE 02 / Module per Pattern

In the Versa series, floor parquet in Subline 02 is constructed from uniform 60x60 tiles that come together to form cohesive modules. Five distinct patterns yield four primary module configurations—one simple layout and two dynamic diagonal arrangements—creating a visually engaging floor design. This innovative modular system offers exceptional design flexibility, delivering a refined, modern aesthetic that transforms spaces with its harmonious interplay of texture and pattern.



VERTIS

In the Vertis family of the Versa series, parallelogram pieces crafted with the distinctive Versa texture come together to create a dynamic, modern flooring system. This collection embraces geometric precision and artistic flair, transforming each installation into a visually engaging canvas. The Vertis family is thoughtfully divided into two distinct variations, each offering a unique design philosophy that caters to diverse aesthetic sensibilities.

Vertis 01 draws inspiration from the classic Chevron motif, employing its angular, interlocking pattern to create a rhythmic flow that enlivens the space. The design infuses a sense of movement and energy, as the parallelogram pieces align in a manner that enhances the overall visual harmony while maintaining a minimalist elegance.

Conversely, Vertis 02 adopts a cubic configuration that delivers a bold, structured look. This variant emphasizes order and clarity through its precise, square-like arrangement of parallelogram modules, resulting in a contemporary aesthetic that is both striking and refined. Together, these two approaches within the Vertis family provide designers with versatile solutions that seamlessly blend technical excellence with modern design innovation.



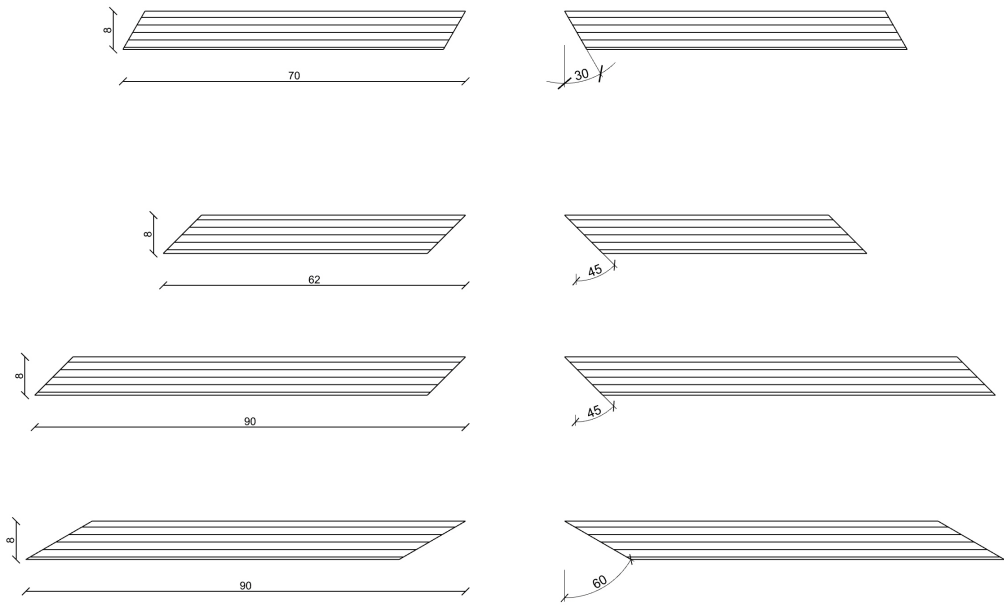
Innovation arises when the timeless wisdom of
history meets the boldness of modern minimalism.
– Zaha Hadid





VERTIS 01 / Tile

The Vertis 01 tiles in the Versa series feature four distinct parallelogram designs, each with angles of 30°, 45°, and 60°. These angular configurations bring a dynamic sense of movement and depth to any space. Each tile design creates a unique interaction with light and shadow, infusing the room with an energetic, yet harmonious feel. The precision of the angles adds a sense of structure, while at the same time the subtle shifts in direction create a lively and visually engaging atmosphere. The distinctiveness of each tile helps shape the spatial experience, offering a modern and dynamic aesthetic that enhances contemporary interiors.



VERTIS 01 / Pattern per Tile

In Vertis 01, wood and pattern converge to create unique design statements. Four distinct variations celebrate the natural beauty of carefully selected materials and innovative patterning. Together, these designs infuse spaces with modern elegance and a dynamic visual rhythm.



Birch – Straight

This design showcases the natural clarity of birch with a straightforward, unadorned pattern. The minimalist approach allows the wood’s inherent beauty to shine through.



Birch – 45°

In this variant, birch is set at a dynamic 45°angle, available only in a bevelled finish. The angled pattern introduces a striking geometric interplay that energizes the floor. The bevelled execution enhances texture and adds captivating depth.



Oak

The oak design radiates warmth and classic elegance with its pronounced grain and rich tones. It emphasizes natural texture and sophisticated detailing throughout the pattern. The resulting surface is distinctive, resilient, and perfectly balanced between tradition and modernity.



Walnut

The walnut design offers a luxurious expression with its deep hues and intricate grain. Its rich color and sophisticated detailing create an ambience of opulent modernity. This pattern turns the floor into a statement piece of contemporary elegance.

VERTIS 01 / Module per Pattern

In Vertis 01, the non-bevelled finish yields two distinct large modules defined by the specific corner angles of the tiles, emphasizing dynamic geometric contrasts.

Conversely, with a bevelled finish, the module and tile become one, creating a seamless, unified design.

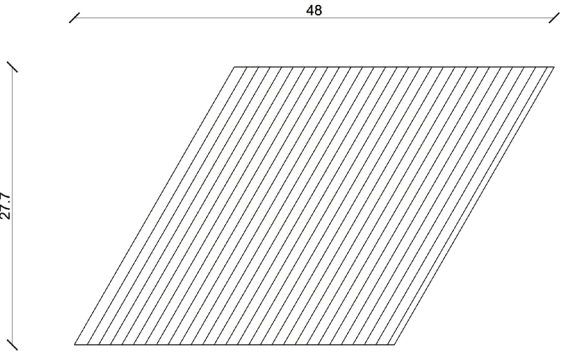
This flexible approach allows for both bold, statement-making layouts and smooth, continuous surfaces in modern flooring.



VERTIS 02 / Tile

Vertis 02 presents a unique design with diamond-shaped (parallelogram) tiles. When arranged together, these tiles form a cubic structure, creating an intriguing three-dimensional effect. The Versa texture enhances this geometric arrangement, adding depth and tactile richness to the space. This innovative approach brings a modern and dynamic quality to contemporary flooring, transforming the floor into a sophisticated canvas of shapes and texture. The interplay of form and texture creates a bold visual statement, encapsulating the essence of modern design with timeless elegance.

Vertis 02 introduces a distinctive design featuring a single diamond-shaped, parallelogram tile. When three of these tiles are positioned side by side, they seamlessly combine to form a cubic module that highlights the signature Versa texture. This innovative assembly creates a dynamic interplay of geometric precision and tactile elegance, transforming any floor into a modern canvas of sculptural design.



VERTIS 02 / Pattern per Tile

In Vertis 02, the pattern is defined by birch wood tiles arranged in such a way that three adjacent tiles form a 120-degree angle. This arrangement creates a dynamic cubic form at the center, accentuating the geometric elegance of the design. The interplay of these tiles highlights a unique rhythm and structure, transforming the floor into an artful composition..

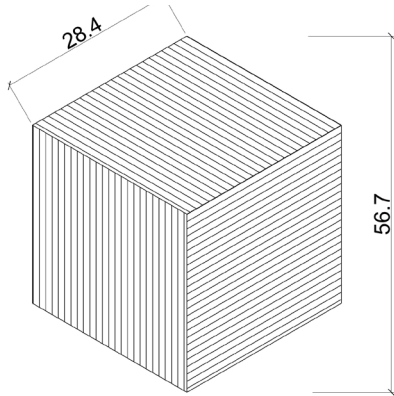


Birch
Birch features a fine, smooth grain with light, warm tones, creating a refined, minimalist aesthetic. In both bevelled and non-bevelled finishes, the natural beauty of birch shines, offering versatility for any design approach. The bevelled option adds depth, while the non-bevelled finish maintains a seamless, uniform surface.

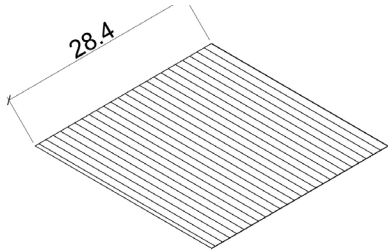
VERTIS 02 / Module per Pattern

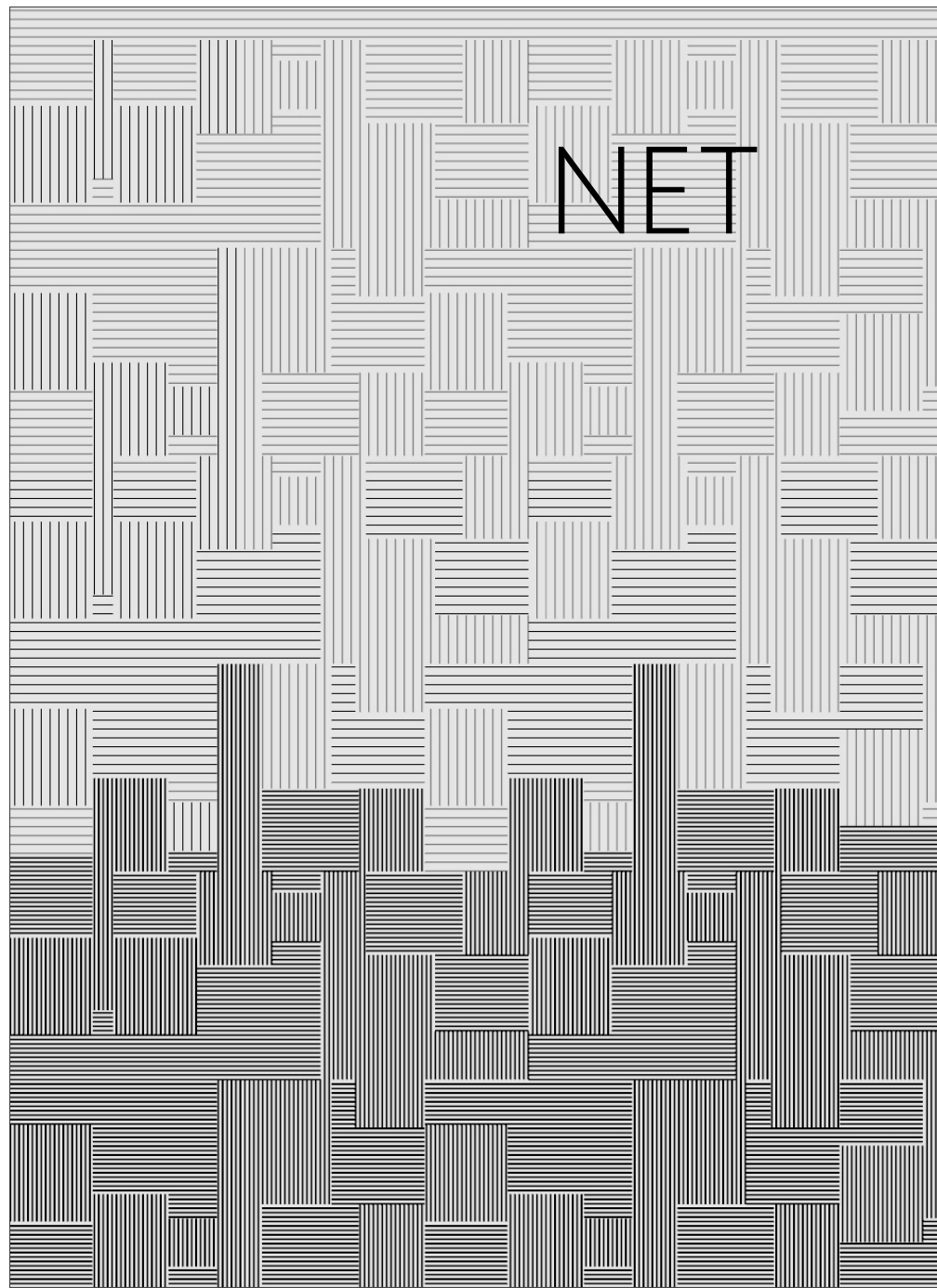
In Vertis 02, the non-bevelled finish creates three distinct tiles that, when placed together, form a cubic module defined by the specific 120-degree angles between them. This arrangement emphasizes a dynamic, geometric structure that brings depth and energy to the floor.
With a bevelled finish, the tiles align to create a seamless, unified cubic form, where the module and tile are indistinguishable, offering a smooth, sophisticated surface.
This versatility allows for both bold, angular compositions and elegant, continuous patterns in contemporary flooring.

Not Bevelled

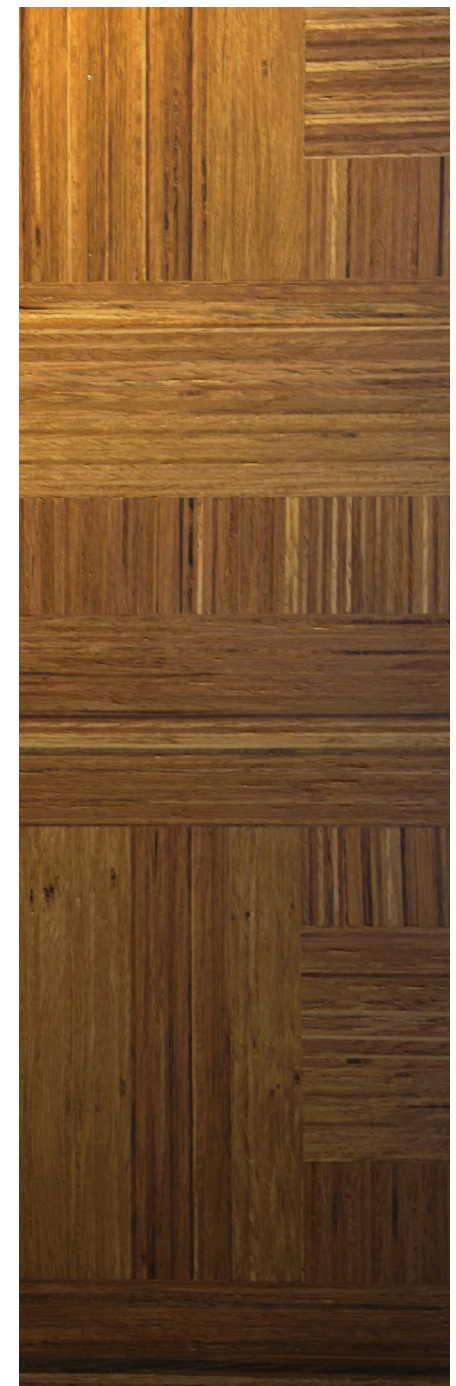


Bevelled





The Net family, part of the Versa series, takes a bold step into maximalist design with a highly textured, complex aesthetic. It is a visual celebration of movement, texture, and intricate detail, challenging the notion of simplicity in modern flooring. With an overwhelming number of tiles, each piece contributes to a dynamic, ever-changing modular pattern. The Versa texture in each tile alternates direction—either horizontally or vertically—introducing a sense of constant flux and energy. The design's complexity is paired with the use of two rich, natural woods: walnut and oak, each contributing a distinct, organic depth to the overall visual impact. Available in two modules—Net 01, 60x60 tiles, and Net 02, 80x60 tiles—the collection offers versatility while maintaining a sense of sophisticated chaos. Whether used in large open spaces or intricate designs, Net brings a new layer of sophistication and tactile richness to contemporary interiors.



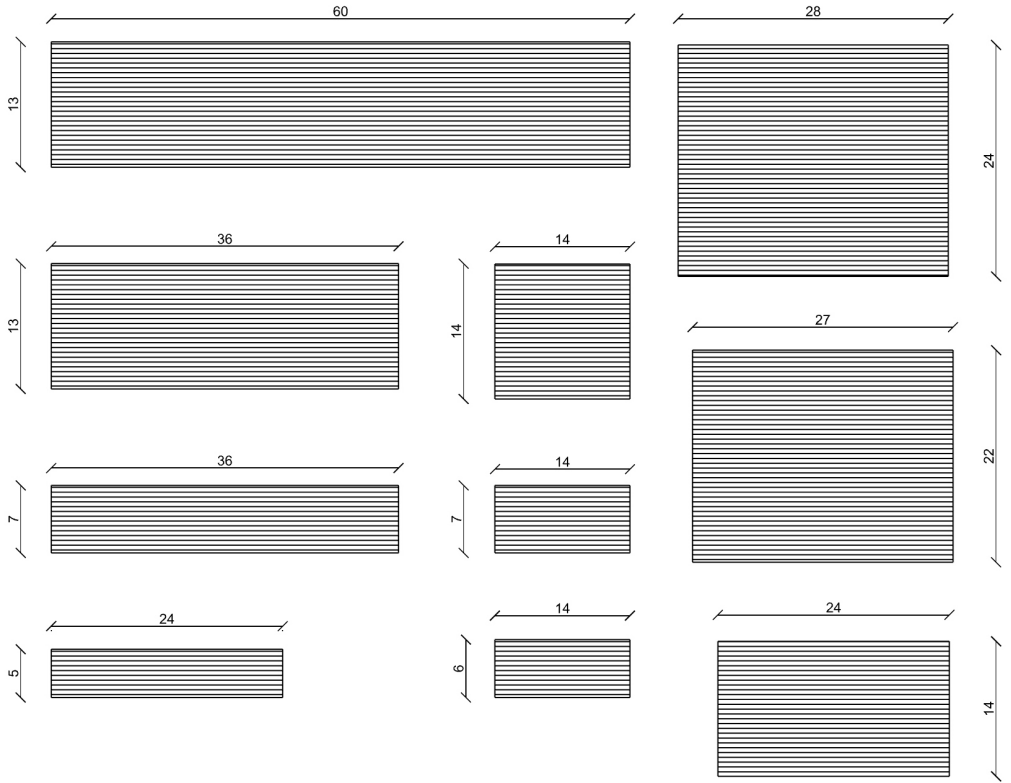


Complexity is not the enemy of simplicity,
but the gateway to it.
– Frank Lloyd Wright



NET 01 / Tile

Net 01 tiles are smaller in size, designed to interlock seamlessly to form an intricate, dynamic flooring pattern. The tiles feature a finely detailed texture, with the Versa grain alternating between horizontal and vertical directions, creating a sense of movement and depth. The smaller dimensions allow for greater flexibility in the arrangement, enabling the creation of fragmented yet harmonious designs. When placed together, these tiles form a cohesive layout that offers both complexity and rhythm, transforming the floor into a visually engaging surface that continuously shifts in texture and direction.



NET 01 / Pattern per Tile

The pattern of Net 01 is defined by a complex interplay of alternating textures that shift direction, creating a dynamic, ever-evolving surface. With smaller tiles interlocking seamlessly, the layout gives a sense of movement, while maintaining a cohesive and intricate design. This pattern brings an organic flow to the floor, constantly engaging the eye and providing depth and rhythm to the space. The constant change in texture, paired with the varied directions of the grain, results in a floor that feels alive and vibrant, yet meticulously crafted.



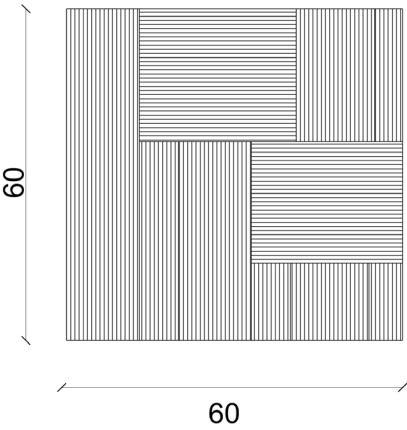
Oak
The oak pattern brings a sense of timeless sophistication, characterized by its distinctive grain and natural texture. The design highlights the rich, warm tones of oak, offering a bold yet harmonious aesthetic.



Walnut
The walnut pattern is marked by its deep, luxurious hues and intricate grain, offering a refined, rich texture. This design adds a sense of elegance and depth, transforming the space with its sophisticated visual impact.

NET 01 / Module per Pattern

The pattern in Net 01 is characterized by smaller tiles that interlock seamlessly, creating a sophisticated and intricate flooring design. Each module follows a 60x60 layout in its non-bevelled form at its core, offering a smooth and continuous surface. However, the outer edges of the module can be executed with a bevelled finish, introducing depth and a subtle contrast that enhances the overall visual impact. The pattern itself features a dynamic, ever-changing flow, with the direction of the grain shifting constantly across the tiles. This variation creates a sense of movement and rhythm within the design, ensuring that the floor feels alive and vibrant.



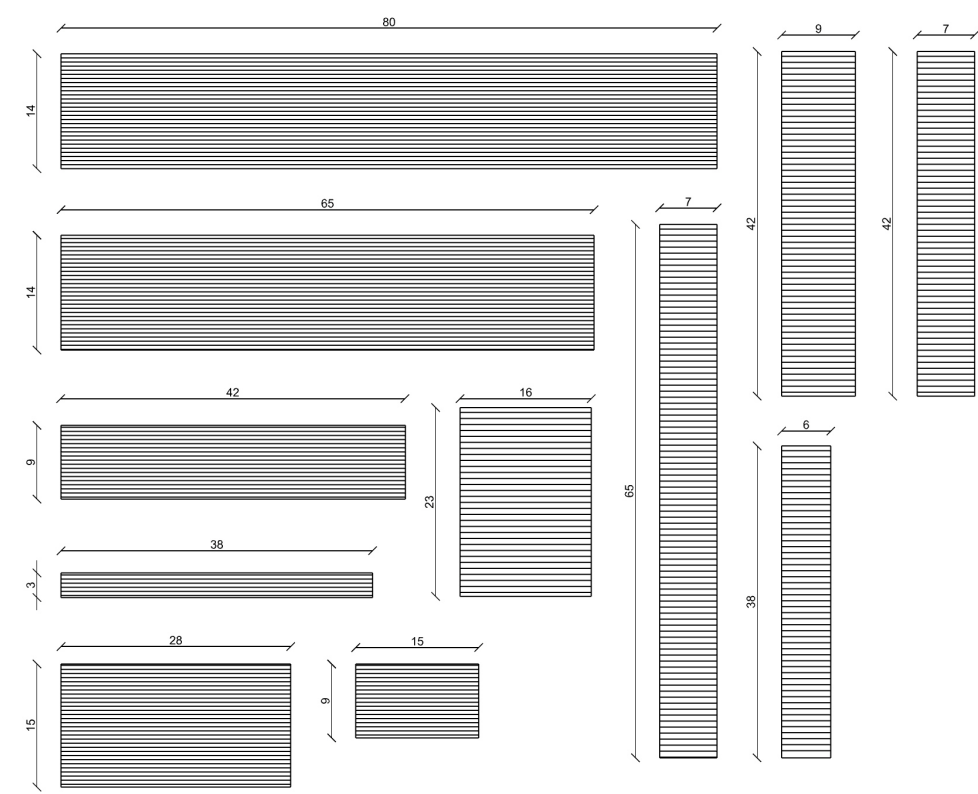
The interplay of textures and shifting grain directions infuses the space with energy, while the overall layout maintains a harmonious balance of complexity and coherence. This intricate pattern elevates the floor from a mere surface to an expressive design element that brings sophistication and modernity to any space.





NET 02 / Tile

The Net 02 tiles are designed to create an expressive, modern flooring solution by featuring larger, rectangular modules that form a bold and intricate pattern when arranged together. Each tile in the collection is uniquely crafted with a carefully detailed Versa texture, with the grain shifting between horizontal and vertical directions, creating a visually dynamic and energetic surface. The larger dimensions of these tiles provide more space for the textures to unfold, adding greater depth and movement to the design. The pattern, with its alternating grain direction and complex layout, offers both flexibility and structure, allowing for the creation of fragmented yet harmonious compositions. When combined, these tiles form a cohesive layout, transforming the floor into an ever-evolving surface with constant shifts in texture and direction.



NET 02 / Pattern per Tile

The pattern in Net 02 is distinguished by its geometric complexity, with tiles arranged to create an ever-changing flow of texture and direction. The design is built upon the interlocking pattern of larger rectangular tiles, where the Versa grain shifts constantly, alternating between horizontal and vertical orientations. This movement generates a rhythm that permeates the entire floor, giving the space a sense of dynamic energy and visual intrigue. The complex pattern creates depth and complexity while maintaining a sense of cohesion. The alternating grain directions enhance the fluidity of the design, allowing for a subtle yet powerful visual impact. The texture continually shifts across the floor, offering an engaging experience that is visually captivating and full of life. This pattern brings an organic and dynamic flow to the floor, ensuring that every corner offers a new visual experience.



Oak

The oak pattern adds a timeless elegance to the design with its distinct grain and natural texture. Its warm, rich tones bring depth to the layout, enhancing the overall visual complexity of the pattern.

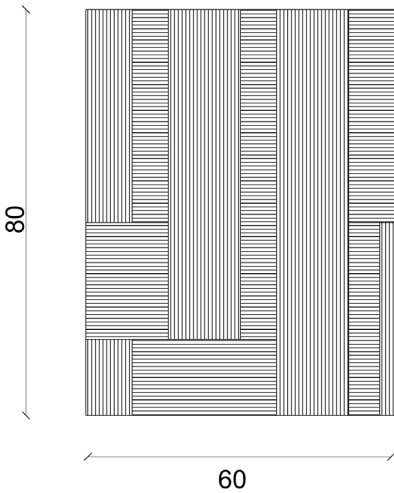


Walnut

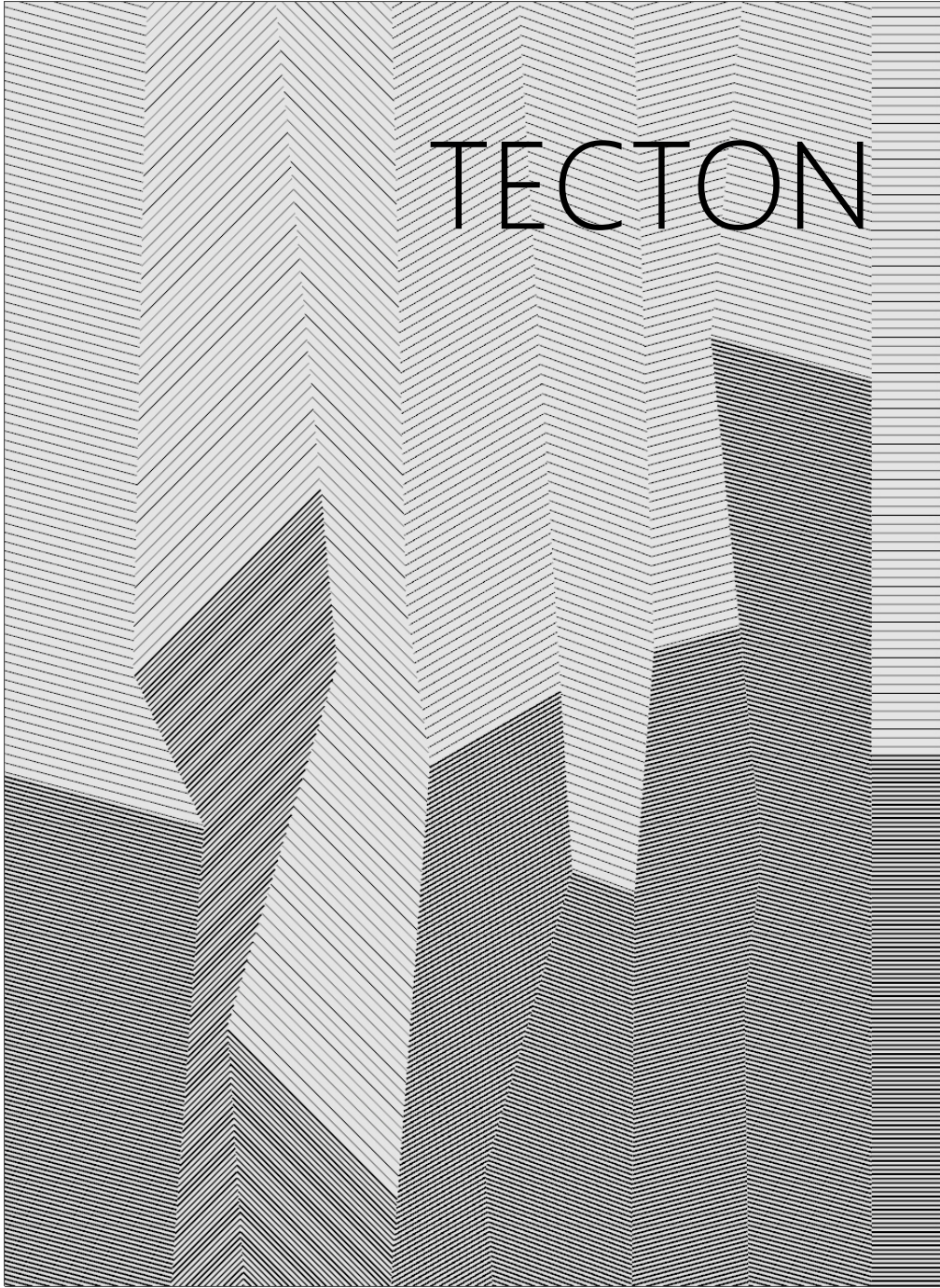
The walnut pattern offers a luxurious visual impact, characterized by its deep, sophisticated hues and intricate grain. It introduces a refined and bold touch to the design, elevating the overall aesthetic with a sense of elegance and sophistication

NET 02 / Module per Pattern

In Net 02, the module is created from the larger rectangular tiles, typically arranged in a 60x80 format, that interlock seamlessly to form a continuous, dynamic design. The core of each module is presented in a non-bevelled format, offering a smooth and uninterrupted surface that accentuates the natural beauty of the Versa grain. The outer edges of the module, however, can be executed with a bevelled finish, creating a depth and contrast that elevates the overall visual impact of the layout. The tile arrangement in the module creates a fluid, organic feel, with the alternating grain direction adding movement and energy to the floor.

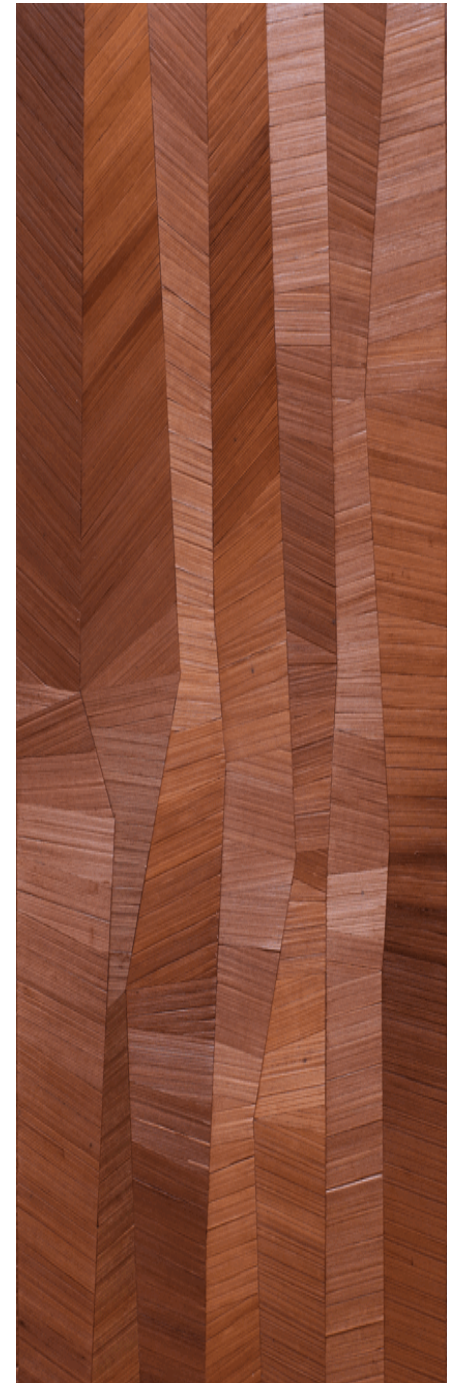


The interplay of textures and the constant shift in direction results in a lively, vibrant atmosphere. The modular arrangement maintains a balance between complexity and cohesion, offering a visually stimulating surface that breathes life into any space. With its sophisticated design, Net 02 introduces a refined modern aesthetic that is both bold and intricate.



TECTON

Tecton, the final offering in the Versa series, represents the pinnacle of design complexity and innovation. This product is defined by its unique elongated tiles, each non-geometric and crafted with the utmost attention to detail. Tecton is created from seven distinct tiles, with each featuring a Versa texture defined in one specific direction. The result is a visually dynamic surface that shifts in direction and pattern, with each tile embodying unconventional breaks and unexpected angles. The modularity within Tecton is seamless and almost invisible, creating a floor that feels continuously evolving, and where individual tiles blend into the whole without a clear demarcation. The use of oak and walnut in this collection brings depth, warmth, and a rich, sophisticated aesthetic that enhances the overall intricacy of the design. Tecton's complexity, both in structure and aesthetic, marks the apex of Versa's design philosophy, offering a truly immersive experience for spaces that demand modern elegance and architectural boldness.



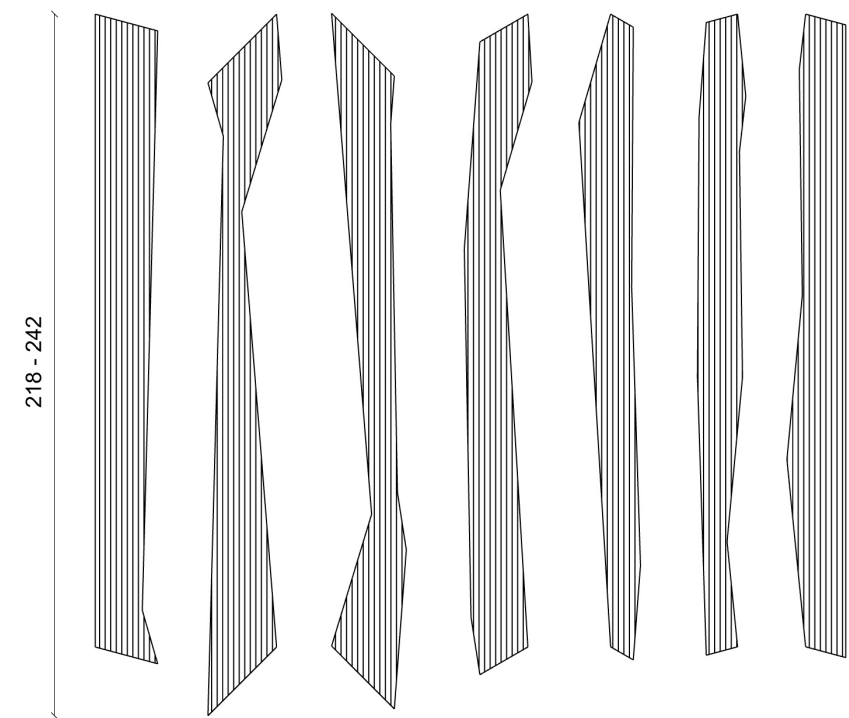


The greatest challenge in design is not creating
simplicity, but embracing complexity.
– Frank Gehry



TECTON / Tile

The Tecton tile is uniquely designed, with each piece offering a non-geometric, elongated form that creates an entirely new visual dynamic in flooring. Each tile features the signature Versa texture, but unlike other collections, the texture is defined in a singular, consistent direction, providing a sense of movement as the tiles are laid. The unconventional breaks within each tile add an element of surprise, creating a sense of disruption that challenges traditional flooring designs. These breaks form an organic flow, which feels both deliberate and free-flowing. When laid together, these tiles form an intricate, seamless composition that emphasizes a sense of fluidity and continuous change. The elongated shape and texture direction provide an ever-evolving visual rhythm, transforming the floor into a modern work of art. The result is a flooring system that not only serves as a surface but becomes a defining feature of the interior.



TECTON / Pattern per Tile

The pattern in Tecton is defined by the dynamic interplay of elongated tiles, each designed with specific texture directions. The irregular breaks in each tile create a unique visual rhythm, making the floor feel constantly alive. The pattern is not rigid; instead, it flows organically with unexpected shifts in the grain direction, which add depth and movement to the surface. The interplay between the natural texture and the design’s complex structure ensures that the flooring remains visually engaging from every angle. The combination of intricate design and natural materials makes Tecton a truly distinctive and sophisticated flooring solution.



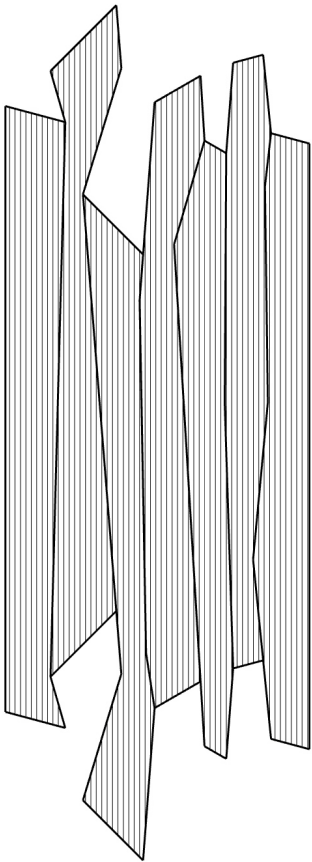
Oak
The oak pattern in Tecton brings a timeless and refined depth to the design. Its bold grain and warm tones add a sense of solidity and warmth, balancing the complexity of the pattern with its natural elegance.



Walnut
The walnut pattern offers a luxurious touch with its rich, dark hues and intricate grain. The depth of walnut enhances the overall pattern, adding sophistication and a sense of quiet refinement to the floor.

TECTON / Module per Pattern

The module in Tecton is defined by its unique arrangement of elongated tiles, creating a modular system that flows seamlessly across the floor. Although the module may appear irregular due to the unconventional tile breaks and changing texture directions, it is designed to fit together in a way that is visually cohesive and balanced. The non-geometric nature of the tiles means that the modularity is subtle, almost invisible, offering a fluid and organic feel throughout the floor. The large tiles interlock to form a smooth, continuous design that feels almost like a single unified piece. This modular system is the epitome of Tecton’s design philosophy, complex yet harmonious, and truly one of a kind. The use of oak and walnut further enhances the visual depth, ensuring that the module stands as both a structural and artistic element in the space.



MATERIAL



BIRCH



Birch / Wood



Birch wood is one of the most prominent species in the woodworking industry, renowned for its regular cellular structure, uniform grain, and superior mechanical properties, which have consistently attracted the attention of specialists and professional designers. With its balanced density and desirable hardness, this wood allows for precise finishing and the creation of intricate details, while also exhibiting significant resistance to abrasion, impact, and environmental changes. Aesthetically, the natural light color and delicate texture of birch make it a reliable choice for both decorative and construction projects. The seamless integration of technical strength, structural stability, and pleasing visual appeal lays the foundation for innovative design and construction solutions.

In the Versa series, birch wood is processed using advanced slicing technology to achieve a thickness of 1.5 millimeters. The resulting thin slices are then meticulously bonded together through a precise lamination process. Initially, modern machinery divides the birch into consistently thin layers, ensuring both accuracy and uniformity in each slice. These layers are subsequently laminated in a controlled environment, where temperature and humidity are carefully regulated. This process not only enhances dimensional stability but also significantly boosts resistance to environmental fluctuations and wear.

Birch / Charachteristics

- Type:** Hardwood
- Family:** Betulaceae
- Genus, species:** Betula pendula
- Origin:** Europe and North Asia, also North America and Japan.
- Colour:** Varies from white to light brown, and sometimes also hints of red and red-dish brown.
- Characterisitcs:** Birch is a neutral, yet vivid type of wood, characterized by its dark pith-spots.
- Structure:** Birch is composed of end grain wood and wood with the grain, glued cross-wise.
- Sustainability:** From sustainably managed production forests, the commercial harvesting cutting cycle for birch is 20 - 25 years.
- Strength and dimension stability:** Because of the use of cross-glued veneers the surface of the wood is generally stronger than solid wood of the same dimension and weight, and moreover, the dimension stability is also higher.
- Hardness:** Janka hardness scale rating for Plexwood - Birch is 4822 N.



Birch / Finish

Due to the naturally light tone of birch, this wood is highly receptive to coloring. Moreover, thanks to its final finish, it can be utilized in two distinct configurations—V Group and non-beveld—thereby offering designers flexible options to align with both aesthetic and functional project requirements.

•Colors

In the Versa series, birch wood is uniquely offered in three exceptional hues – Natural, Brown, and Charcoal. This range of colors not only provides an authentic, native appeal to the wood but also enables precise coordination with the architectural style and overall design of each project. The selection of each hue is meticulously determined based on the relevant family and the visual and functional requirements of the project.

•Natural Oil

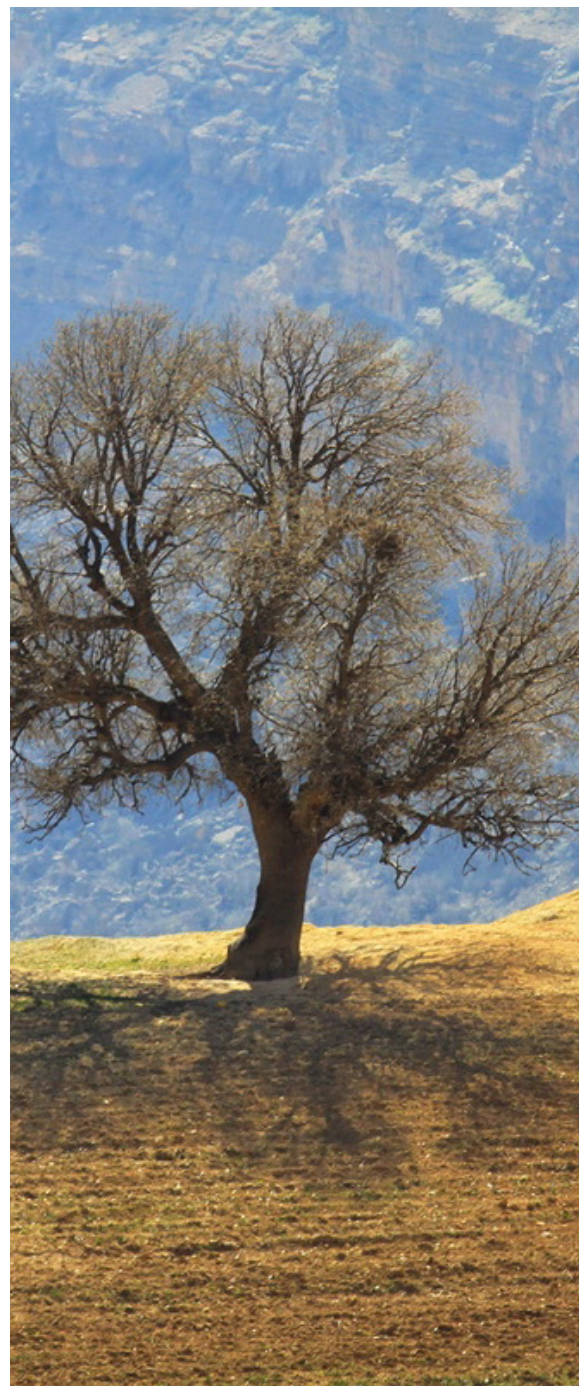
The natural oil finish is employed as an effective solution to preserve and enhance the visual qualities of birch. This oil penetrates deeply into the wood’s structure and, by accentuating its inherent color and texture, imparts a warm and genuine look to the surface. In addition to highlighting the wood’s natural beauty, the oil offers a protective function that increases resistance against moisture, contamination, and wear.

•Polyester

The polyester finish is utilized as a specialized option in the form of a sub-plywood. This coating creates a hard, resilient layer that ensures the durability and dimensional stability of the wood surface against abrasion, impact, and other mechanical stresses. Beyond enhancing the technical strength, polyester helps prevent unwanted dimensional changes, thereby reducing the need for frequent maintenance.

Birch / Patterns

In the Versa series, birch serves as a primary component across various families. The diagrams below illustrate how birch is applied in each family. This choice highlights not only its natural beauty and visual appeal but also its seamless integration with diverse design styles. Consequently, birch is celebrated as an artistic native material, perfectly suited for creating dynamic and harmonious contemporary spaces.



OAK



Oak / Wood



Red Oak is celebrated for its robust cellular structure, distinctive grain, and exceptional mechanical properties, which have consistently drawn the attention of architects, designers, and craftsmen. With its balanced density and notable hardness, Red Oak offers a surface that accommodates precise finishing and the creation of intricate details, all while providing impressive resistance to abrasion, impact, and environmental stress. Its rich, deep reddish-brown hue and pronounced grain pattern not only enhance its visual appeal but also establish Red Oak as a preferred choice for both decorative accents and structural applications. The harmonious integration of technical strength, superior dimensional stability, and enduring aesthetic charm forms the cornerstone for innovative design and construction solutions.

In advanced production processes, Red Oak is transformed using state-of-the-art slicing technology to yield veneers of 3mm thickness. These carefully cut slices are subsequently bonded together through an exacting lamination process. Modern machinery ensures that each veneer maintains uniformity and accuracy, while a controlled environment—with meticulously regulated temperature and humidity—optimizes the lamination process. This refined technique not only bolsters the dimensional stability of Red Oak veneers but also significantly elevates their resistance to environmental fluctuations and mechanical wear, making them ideal for high-performance applications.

Oak / Characteristics

Type: Hardwood

Family: Fagaceae

Genus, species: *Quercus rubra*

Origin: Native to eastern and central North America; widely cultivated across temperate regions worldwide.

Colour: Ranges from medium brown to deep reddish-brown, often accented by prominent grain highlights.

Characterisitics: Renowned for its robust strength, pronounced grain pattern, and natural beauty, Red Oak’s open grain texture provides a distinctive appearance while supporting excellent workability.

Structure: Comprises both end grain and wood with the grain arranged in a uniform pattern, frequently utilized in cross-glued veneer applications.

Sustainability: Harvested from sustainably managed forests, with a typical commercial harvesting cycle of 30–40 years.

Strength and dimension stability: Advanced lamination and cross-gluing techniques yield veneers that are stronger than solid wood of comparable weight.

Hardness: The Janka hardness rating for Red Oak is approximately 1,290 lbf (around 5,740 N)



Oak / Finish

Due to its rich, naturally warm tone, red oak exudes a timeless appeal that is further elevated through precise finishing techniques. In the Versa series, red oak is presented in a uniform configuration—without the V Group option, ensuring a classic design solution that meets both aesthetic and functional project requirements.

•Colors

In the Versa series, red oak is offered in a carefully curated palette designed to accentuate its inherent warmth and deep character. Each hue is selected to enhance the wood’s distinctive grain and natural luster, providing a seamless match with a variety of architectural styles and interior designs. The color choices are made with a keen eye on both the visual impact and the performance needs of the project.

•Natural Oil

A natural oil finish is applied to red oak to bring out its rich, deep hues and textured grain. This finish penetrates the wood fibers, enriching its inherent beauty while imparting a warm, inviting luster to the surface. In addition to highlighting the wood’s natural appeal, the oil offers protective qualities that increase resistance to moisture, contaminants, and daily wear.

•Polyester

For applications requiring enhanced durability, a polyester finish is available. This specialized coating forms a hard, resilient layer over the red oak, significantly improving its resistance to abrasion, impact, and other mechanical stresses. Beyond bolstering technical strength, the polyester finish minimizes dimensional changes over time, thereby reducing maintenance needs and ensuring long-lasting performance.

Oak / Patterns

In the Versa series, oak serves as a key material across various families. The diagrams below illustrate how oak is employed in each family. This selection highlights not only its enduring natural beauty and distinctive grain but also its effortless integration with diverse design styles. Consequently, oak is celebrated as an inherently artistic material, perfectly suited for creating dynamic and timeless contemporary spaces.



WALNUT



Walnut / Wood



Walnut wood is celebrated for its intricate cellular structure, rich grain pattern, and outstanding mechanical properties, which have consistently attracted the attention of designers and craftspeople. With its balanced density and ideal hardness, walnut offers a refined surface ideal for precise finishing and intricate detailing, while also providing remarkable resistance to abrasion, impact, and environmental stresses. Aesthetically, its deep, luxurious hues and fine texture make walnut a favored choice for both high-end decorative applications and robust structural designs. The harmonious blend of technical strength, dimensional stability, and timeless visual appeal forms the cornerstone for innovative design solutions.

In advanced production processes, walnut is transformed using state-of-the-art slicing technology to produce ultra-thin veneers, typically around 3 millimeters in thickness. These delicate slices are then meticulously bonded through a precise lamination process. Modern machinery ensures each veneer is consistently thin with perfectly aligned grain patterns, while controlled environmental conditions—carefully regulating temperature and humidity—optimize adhesion and enhance stability. This refined technique not only bolsters the dimensional integrity of the walnut veneers but also significantly increases their resilience against environmental fluctuations and mechanical wear.

Walnut / Characteristics

- Type:** Hardwood
- Family:** Juglandaceae
- Genus, species:** *Juglans regia*
- Origin:** Native to temperate regions of the Northern Hemisphere, with historical roots in Persia and Central Asia and widespread cultivation across Europe and America.
- Colour:** Deep chocolate brown with occasional hints of golden or warm undertones
- Characteristics:** Walnut is renowned for its luxurious color, fine, even texture, and distinctive grain patterns that add character and depth to any design.
- Structure:** Exhibits a straight to slightly wavy grain with a uniform texture and smooth, even endgrain.
- Sustainability:** Sourced from sustainably managed forests, with a typical commercial harvesting cycle of 30–40 years.
- Strength and Dimension Stability:** Demonstrates balanced strength and excellent dimensional stability, surpassing many solid woods of comparable weight.
- Hardness:** The Janka hardness rating for walnut is approximately 1,010 lbf.



Walnut / Finish

Due to its naturally refined tone and elegant appearance, walnut stands as a timeless choice that resonates with both aesthetic sophistication and enduring functionality. In the Versa series, walnut is offered in a consistent, classic configuration, without additional grouping options, providing a design solution that seamlessly blends visual allure with practical performance.

•Natural Oil

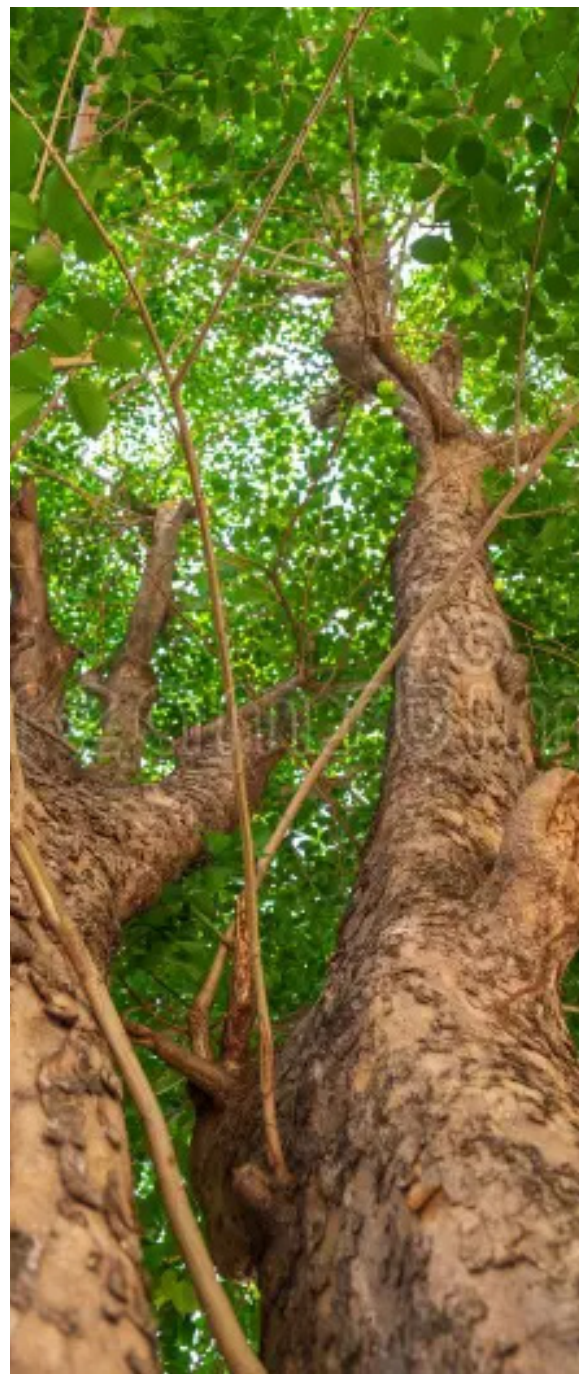
The natural oil finish applied to walnut enhances its deep, rich texture and inherent beauty. By penetrating the wood fibers, the oil accentuates the unique grain while imparting a warm, inviting luster to the surface. In addition to elevating walnut's visual appeal, the natural oil finish also creates a protective barrier that increases resistance to moisture, contaminants, and everyday wear.

•Polyester

For projects requiring superior durability, a polyester finish is available. This specialized coating forms a robust, resilient layer over the walnut surface, significantly boosting its resistance to abrasion, impact, and other mechanical stresses. Moreover, the polyester finish minimizes dimensional changes over time, ensuring consistent performance and reducing the need for frequent maintenance.

Walnut / Patterns

In the Versa series, walnut serves as a cornerstone material across various families. The diagrams below illustrate how walnut is utilized in each family, showcasing its naturally refined aesthetics and rich, warm tones. This selection not only accentuates walnut's inherent beauty but also highlights its seamless integration with diverse design styles. Consequently, walnut is celebrated as an inherently artistic material, ideally suited for creating dynamic and timeless contemporary spaces.



PADAUK

Padauk / Wood



Padauk is renowned for its striking appearance, distinguished by vivid orange-red to deep red-dish-brown hues that mature gracefully with age. This exotic hardwood captivates designers and craftsmen with its unique cellular structure and robust mechanical properties. The naturally interlocked grain pattern, coupled with a moderately coarse texture, not only enhances padauk's visual drama but also contributes to its exceptional durability and resistance to abrasion and impact. Its impressive dimensional stability and technical strength make it a favored choice for projects where both aesthetic allure and performance are paramount.

In modern production processes, padauk is transformed into high-quality veneers using advanced slicing technology, achieving a uniform thickness of approximately 5 millimeters. These delicate slices are then meticulously laminated with birch layers in specific patterns. This sophisticated process not only preserves the inherent beauty of padauk but also elevates its resistance to environmental fluctuations and mechanical stresses, resulting in a product that seamlessly marries technical precision with a vibrant, luxurious finish.

Padauk / Characteristics

- Type:** Hardwood
- Family:** Fabaceae
- Genus, species:** Pterocarpus soyauxii
- Origin:** Native to tropical Africa, predominantly in West and Central Africa, and cultivated in parts of Asia.
- Colour:** Vivid hues ranging from bright orange-red to deep reddish-brown with a natural luster.
- Characteristics:** Renowned for its dynamic coloration, interlocked grain, and robust durability, padauk offers a bold and distinctive aesthetic.
- Structure:** Exhibits a moderately coarse texture with an interlocked grain pattern that enhances both strength and visual appeal.
- Sustainability:** Sourced from sustainably managed forests, with a typical commercial harvesting cycle of 25–30 years.
- Strength and Dimension Stability:** Advanced lamination techniques yield a product with superior strength and enhanced dimensional stability compared to comparable solid wood.
- Hardness:** Hardness: Janka hardness rating of approximately 1,400–1,600 lbf



Padauk / Finish

- Due to its distinctive and vibrant character, Padauk stands out as an exotic hardwood celebrated for its dynamic appearance and robust performance. In the Versa series, Padauk is offered in combination with birch, merging the lively, warm tones of Padauk with the refined stability and natural elegance of birch. This unique blend creates a material that not only delivers striking visual impact but also meets high functional demands for both decorative and structural applications.
- Natural Oil
- A natural oil finish is applied to the Padauk-birch composite to enhance the inherent beauty of both wood species. This finish deeply penetrates the fibers, accentuating Padauk’s vivid grain and rich hue while harmoniously integrating with birch’s light, uniform texture. The result is a warm, inviting luster that not only elevates the overall aesthetic but also provides a protective barrier against moisture, contaminants, and everyday wear.
- Polyester
- For applications that require maximum durability, a polyester finish is available. This specialized coating forms a hard, resilient layer over the composite, significantly boosting resistance to abrasion, impact, and other mechanical stresses. Moreover, the polyester finish stabilizes the material by minimizing dimensional changes over time, ensuring consistent performance and reducing the need for frequent maintenance.

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