

The background image is a dimly lit interior space. On the left, a large window looks out onto a dark, hilly landscape. The wall to the right of the window is covered in vertical wooden slats. A dark, conical lamp hangs from the ceiling. In the foreground, a dark-colored sofa is visible, with a fringed throw blanket draped over one of its cushions. The overall mood is modern and sophisticated.

DURONN®

Creating a future of intelligent and affordable living.
Mono Home Module: Specifications and Applications

This document details the specifications and potential applications of the Mono Home Module.

Mono Cabins Design & Specifications

Duron Engineering specializes in the design and manufacture of innovative mono modular cabins tailored for the outdoor hospitality sector. These cabins are meticulously constructed to enhance the beauty of natural settings and promote an elevated experience of Nature living.

Duron is dedicated to the art of designing, constructing, and supplying exquisite cabins that cater to both the hotel and leisure industry and individuals who cherish a life close to nature. Our cabins, thoughtfully crafted from eco-friendly materials, are not only visually stunning but also incorporate advanced smart technologies and energy-efficient features. Each cabin is designed to harmonize with its natural surroundings, offering a serene retreat that combines comfort, functionality, and sustainability.

Exterior

cladding, decking, fencing, outdoor furniture, landscaping.

Interior

wall panels, ceiling, flooring, and other creative design applications.

As weather patterns shift dramatically across the globe, architects, designers, and builders face a multitude of challenges in their work. Today's buildings must not only exude aesthetic appeal but also possess the structural resilience to withstand the increasingly erratic weather phenomena attributed to climate change. To address these demands, the majority of wood available on the market falls into two categories: chemically treated wood or wood that is naturally resilient and durable. However, both options raise significant environmental and sustainability concerns. These issues encompass the impact of chemical treatments on ecosystems and human health, as well as the ethical implications of sourcing timber from ancient, pristine forests, which are crucial habitats for diverse species.

Concerns are growing among individuals about the environmental impact of construction materials such as concrete, steel, and plastic, which can significantly harm our planet. In light of this, it is crucial to explore methods that reduce energy consumption in our building practices. One promising alternative is the use of wood. The process of transforming timber into products consumes far less energy compared to the manufacturing of other materials. Additionally, wood is a far more sustainable choice; it naturally decomposes over time, enriching the soil, and plays a vital role in sequestering carbon dioxide from the atmosphere, thus contributing to a healthier environment.

Thermally-modified wood has emerged as an excellent option for construction due to its impressive strength and durability. This process involves heating the wood to high temperatures in a controlled environment, which not only enhances its structural integrity but also significantly increases its lifespan. As a result, thermally-modified wood is less susceptible to deterioration from moisture and pests compared to traditional wood. Additionally, it serves as a sustainable alternative to conventional building materials, making it an eco-friendly choice for both residential and commercial projects. Its natural appearance and versatility also allow for a wide range of aesthetic applications, further solidifying its position as a preferred material in modern architecture.

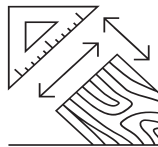
Thermal modification penetrates significantly below the surface of the wood.

In contrast to chemical impregnation, thermal modification fundamentally enhances the integrity of the wood throughout its entirety, rather than merely improving the surface layer. This process guarantees that the resulting boards exhibit exceptional stability and durability across all dimensions.



HIGH DURABILITY

Thermal modification increases the durability of wood, allowing it to achieve the highest durability classification.



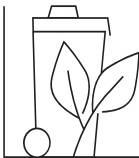
STABLE

The most dimensionally stable wood in fluctuating weather conditions.



BETTER INSULATING QUALITIES

It remains relatively cool when exposed to sunlight.



SAFE WASTE HANDLING

There is no need to treat Thermory wood as hazardous waste.



LIGHTER MATERIAL

Lower moisture content makes the material lighter.



SUSTAINABLE

Thermal treatment is chemical-free modification

Timber Types

Thermo-Ash

Our cabins are constructed using natural and thermally modified wood products, offered in a diverse range of profiles and dimensions.

THERMO-ASH

Thermo-ash is an incredibly robust material that falls into the Class 1 category, signifying its exceptional durability and resilience. This innovative wood undergoes a specialized thermal treatment process that not only enhances its structural strength but also provides unmatched protection against wood decay for over 25 years. Consequently, Thermo-ash emerges as a valuable and sustainable alternative to conventional tropical wood species, making it an ideal choice for environmentally conscious projects without compromising on quality or longevity.



APPLICATION

Exterior

cladding, decking, fencing, outdoor furniture, landscaping.

Interior

wall panels, ceiling, flooring, and other creative design applications.

Our cabins are constructed using natural and thermally modified wood products, offered in a diverse range of profiles and dimensions.

THERMO-PINE

The natural appearance of thermally modified pine boasts a rich golden-brown hue, accentuated by unique, intricate knots that add character and charm. This wood is distinguished by its elevated resin content, lending it a subtle sheen and enhanced durability compared to other species. The warm tones and distinctive features combine to create a visually appealing material that captures the essence of nature.



APPLICATION

Exterior

cladding, decking, landscaping, roofing, outdoor glulam beams, posts, battens.

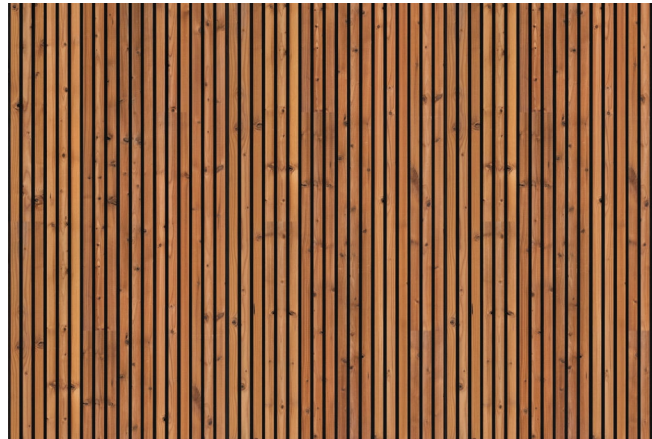
Interior

wall panels, ceilings.

Our cabins are constructed using natural and thermally modified wood products, offered in a diverse range of profiles and dimensions.

THERMO-SPRUCE

Thermo-Pruce is a premium softwood solution renowned for its remarkable rot resistance and long-lasting durability. This wood features a stunning array of natural knots that add character and charm, all while showcasing a beautifully warm golden-brown hue. Its appealing aesthetic and resilience make it an ideal choice for various applications, blending functionality with breathtaking beauty.



APPLICATION

Exterior

cladding, decking, landscaping, posts, beams.

Interior

wall panels, saunas.

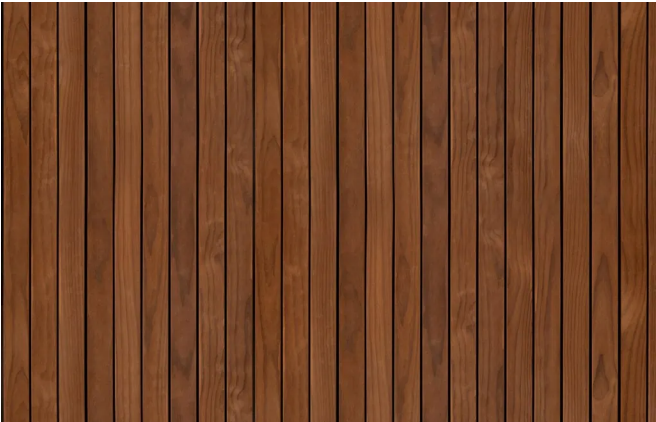
Timber Types

Thermo Radiata Pine

Our cabins are constructed using natural and thermally modified wood products, offered in a diverse range of profiles and dimensions.

THERMO RADIATA PINE

Thermally modified radiata pine exhibits a rich, warm caramel hue that adds a touch of sophistication to any space. This exquisite softwood, free from knots, offers remarkable stability and durability, making it an ideal choice for various applications. Each board is distinct, proudly displaying its individual grain patterns that reflect the beauty of nature. Its unique characteristics ensure that no two pieces are alike, enhancing the aesthetic appeal of your projects.



APPLICATION

Exterior
cladding.

Interior
wall panels, ceilings, saunas, wellness spaces, other creative design applications.

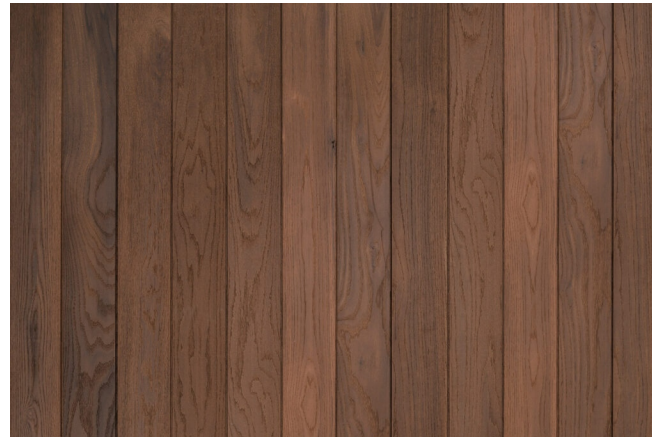
Timber Types

Thermo-Oak

Our cabins are constructed using natural and thermally modified wood products, offered in a diverse range of profiles and dimensions.

THERMO-OAK

This exquisite brown cladding is meticulously crafted for individuals who appreciate the finest quality and elegance. Made from thermo-oak, a remarkable hardwood known for its striking, natural grain patterns, this cladding not only enhances aesthetics but also provides exceptional durability comparable to that of thermo-ash. Its rich color and texture add a touch of sophistication to any space, making it the ideal choice for those who desire both beauty and resilience in their design.



APPLICATION

Exterior
cladding.

Interior
wall panels, ceilings.

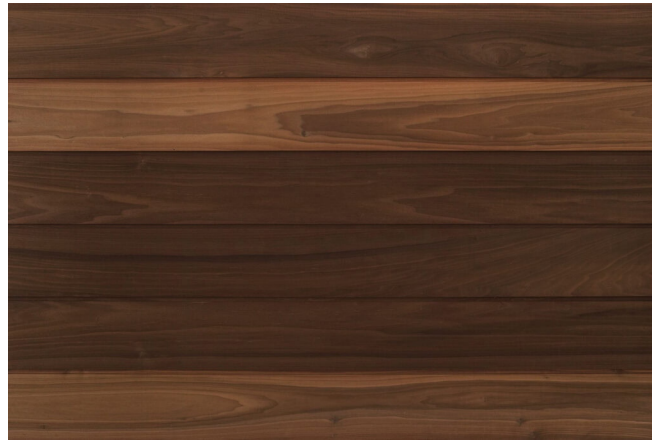
Timber Types

Thermo-Magnolia

Our cabins are constructed using natural and thermally modified wood products, offered in a diverse range of profiles and dimensions.

THERMO-MAGNOLIA

Magnolia wood showcases a beautiful creamy golden hue, intricately interspersed with darker areas that highlight its unique natural grain, reminiscent of the textures found in ash and radiata pine. Its low density lends itself perfectly to a variety of interior applications, including the warm, inviting ambiance of saunas. The wide boards further elevate its elegance, while the deep, rich tones achieved through thermal modification enhance its luxurious and exclusive appearance, making it a stunning choice for any sophisticated space.



APPLICATION

Exterior

wall panels.

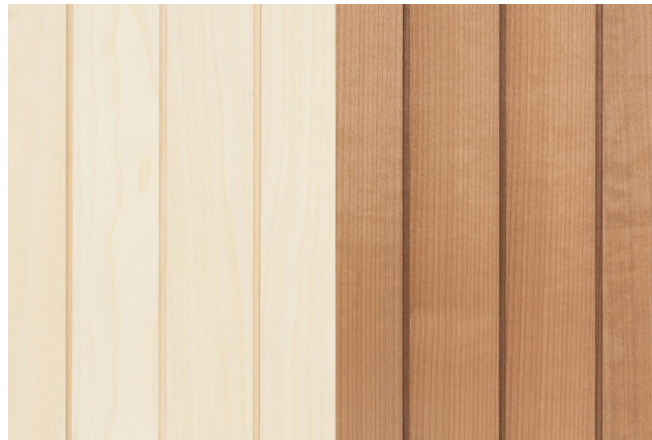
Interior

wall panels, bench boards.

Our cabins are constructed using natural and thermally modified wood products, offered in a diverse range of profiles and dimensions.

ASPEN / THERMO-ASPEN

Aspen and thermo-aspen are popular choices for interior design and sauna construction. Both the natural and thermally modified varieties of aspen are highly sought after for their aesthetic and functional qualities. The wood showcases a lovely, light color that adds a sense of brightness and openness to any space. Its smooth texture enhances not only the visual appeal but also provides a tactile experience that feels inviting and luxurious. Whether used in a cozy sauna or as a striking element in home decor, aspen brings a warm and contemporary touch to interiors.



APPLICATION

Exterior

wall panels.

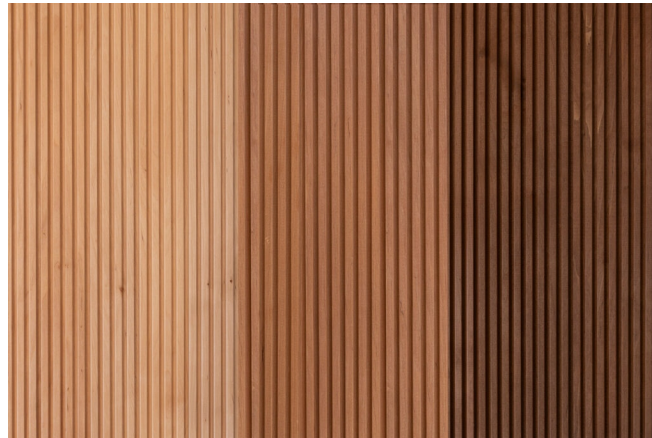
Interior

wall panels, bench boards, other sauna elements

Our cabins are constructed using natural and thermally modified wood products, offered in a diverse range of profiles and dimensions.

ALDER / THERMO-ALDER

Alder wood is widely celebrated for its versatility in crafting an array of materials and products, particularly for interior spaces and luxurious saunas. Available in both thermally modified and natural finishes, this wood offers a range of aesthetic options, including smooth and brushed textures that enhance its visual appeal. Renowned for its durability, Alder wood boasts natural water-repellent properties, allowing it to withstand moisture while maintaining its integrity. Additionally, it has a unique ability to remain cool to the touch, even in high temperatures, making it an exceptional choice for our sauna projects where comfort and performance are paramount.



APPLICATION

Exterior
wall panels.

Interior
wall panels, bench boards, other sauna elements

HOSPITALITY CABINS

Duron Hospitality Grade Cabins offers a diverse range of accommodations to suit various preferences. Our fully furnished Uno Cabins provide a cozy and comfortable retreat. We also feature one-bedroom studio cabins, each designed with its own unique charm and available in five distinct profiles: elegant Black, vibrant Red, refreshing Green, durable Thermo-Radiate Pine, and warm Light Pine. These thoughtfully crafted cabins create a welcoming atmosphere for hospitality operators and their guests. Whether you are offering a serene getaway or a fun-filled family vacation destination, our cabins serve as the perfect foundation for your business growth.

Our hotel-grade cabins are delivered fully furnished as either a Traditional Guest Room or a Duron Suite.

Traditional Guest Room Features

Available Uno Cabins and Mono Cabins

- Fully Modular Moveable Cabin
- Maximum Occupancy: 2
- Japanese-style built-in bed with queen-sized mattress
- Hotel-standard bathroom
- Shower
- Hairdryer
- Alarm clock
- In-room safe
- Writing/work desk with ergonomic chair and electrical outlet
- Iron and ironing board
- Mini fridge
- Zonal lighting
- Smart lock
- Shoe rack
- Underfloor heating (available only for cold environments)
- Reading lights
- Thermostat
- Entrance hanger
- Hot water boiler
- Thermal wood flooring
- AC

Duron Suite Features

Available in Panorama, Studio, and Cozy Cabins.

* Enhanced version of all items listed in Standard Guest Room Features

- Fully Modular Moveable Cabin
- Maximum Occupancy: 4
- Sofa
- Chair
- Table with two or four seats
- Full kitchen with:
 - Refrigerator
 - Microwave
 - Oven
 - Dishwasher
 - Sink
- Pots, pans, and serving dishes
- Coffee/tea maker
- Laundry/drying machine
- Television
- Living room
- Balcony with 2 chairs and a table or rooftop
- Blinded curtains
- Enhanced security/privacy window shutters
- Under-cabinet lighting
- Superior robotic vacuum cleaner

UNO BLACK

from €15,200

Inside

Height: 2,4m

Length: 4,9m

Width: 3,2m

Usable Internal Area: **16m²**

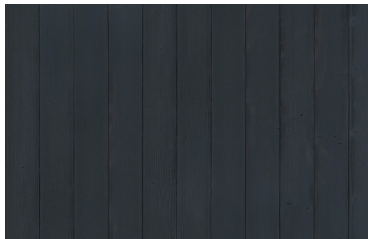
Outside:

Height: 3,3m

Length: 5,3m

Width: 3,6m

Total External Area: **19.08m²**

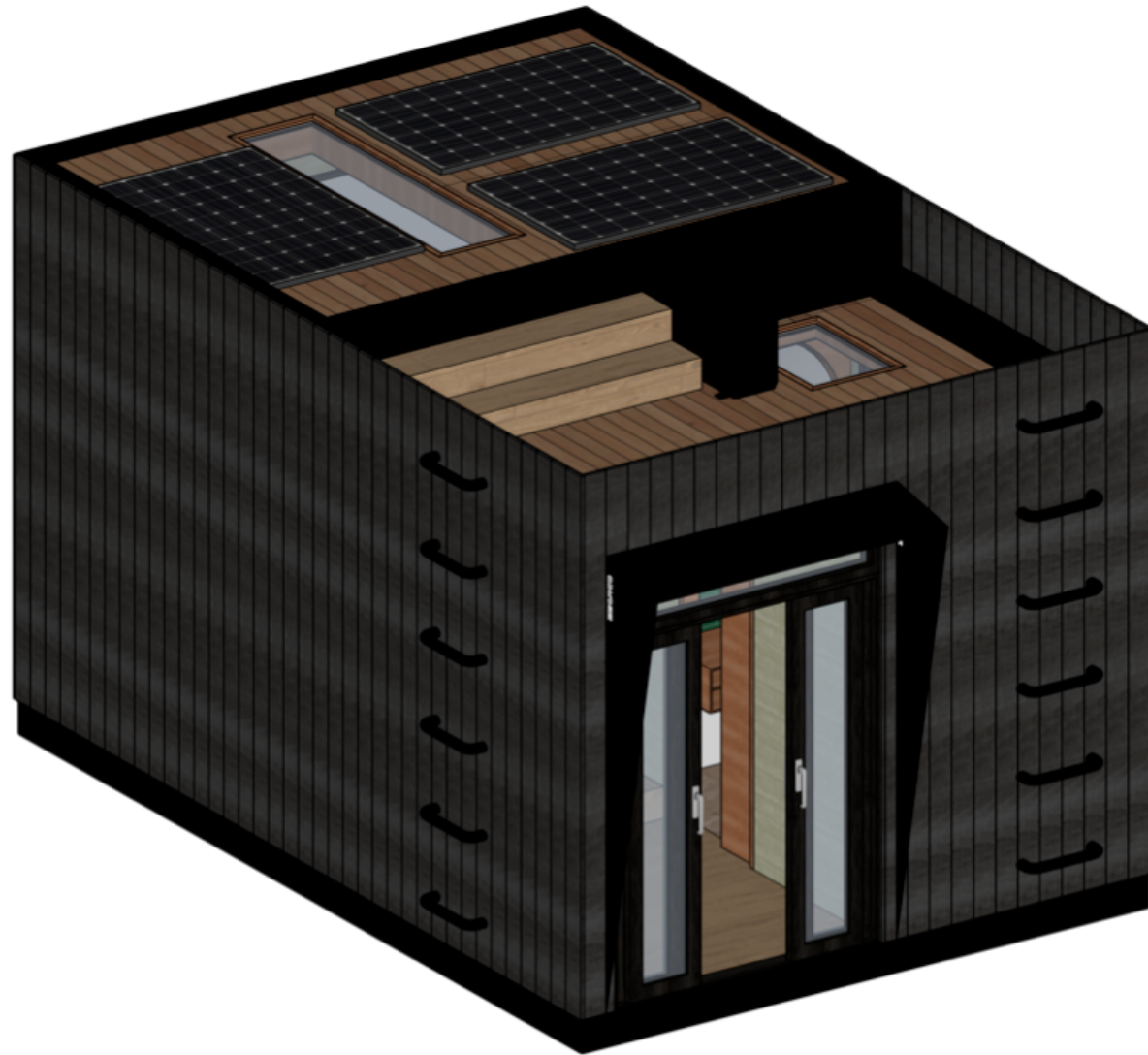


CLADDING

Material: Thermo Pine

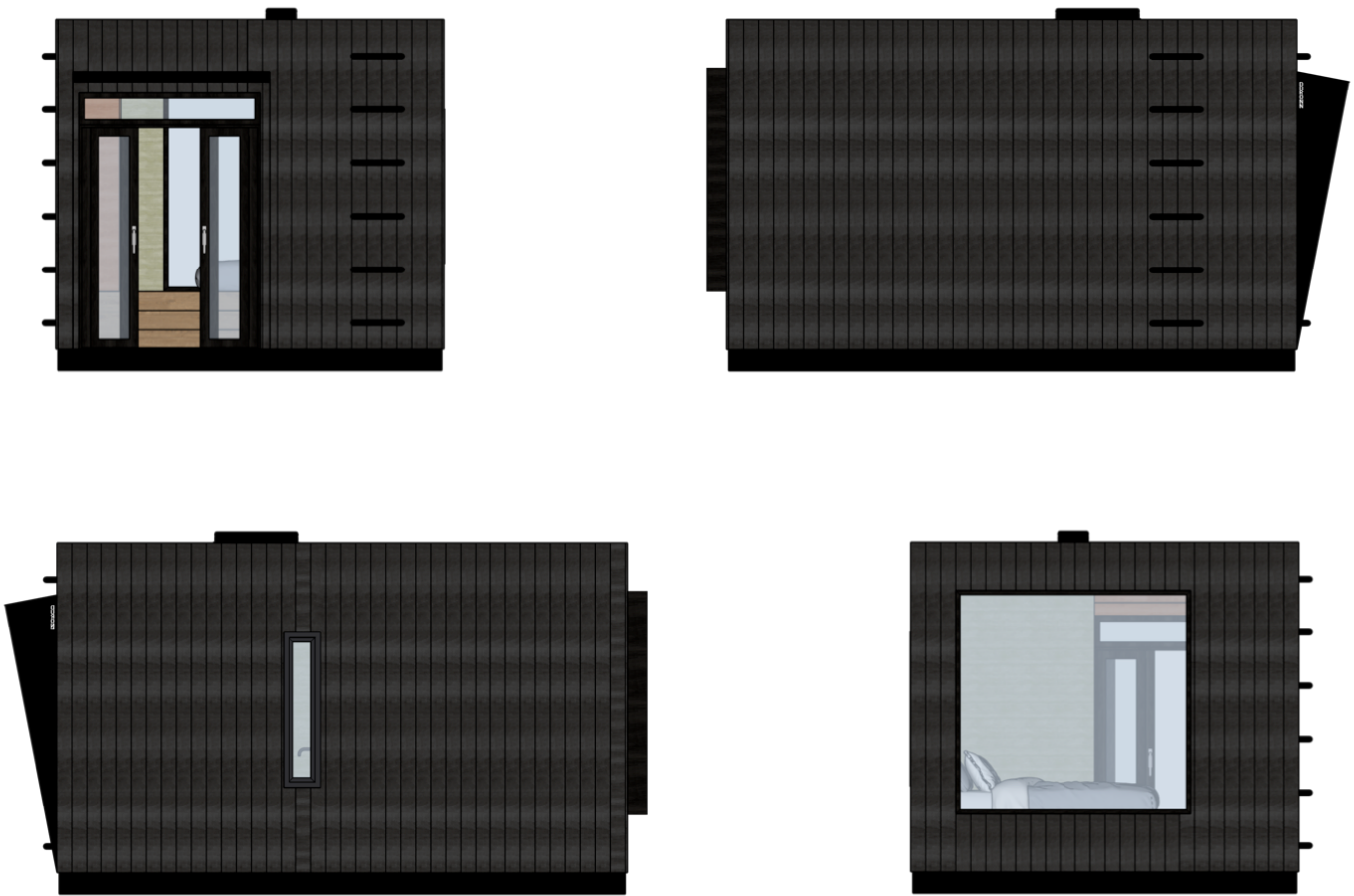
Color: Vivid Translucent 3 Black

Sophisticated cladding that mimics the natural appearance of exposed timber.



UNO BLACK

Facades



UNO GREEN

from **€16,200**

Inside

Height: 2,4m

Length: 4,9m

Width: 3,2m

Usable Internal Area: **16m²**

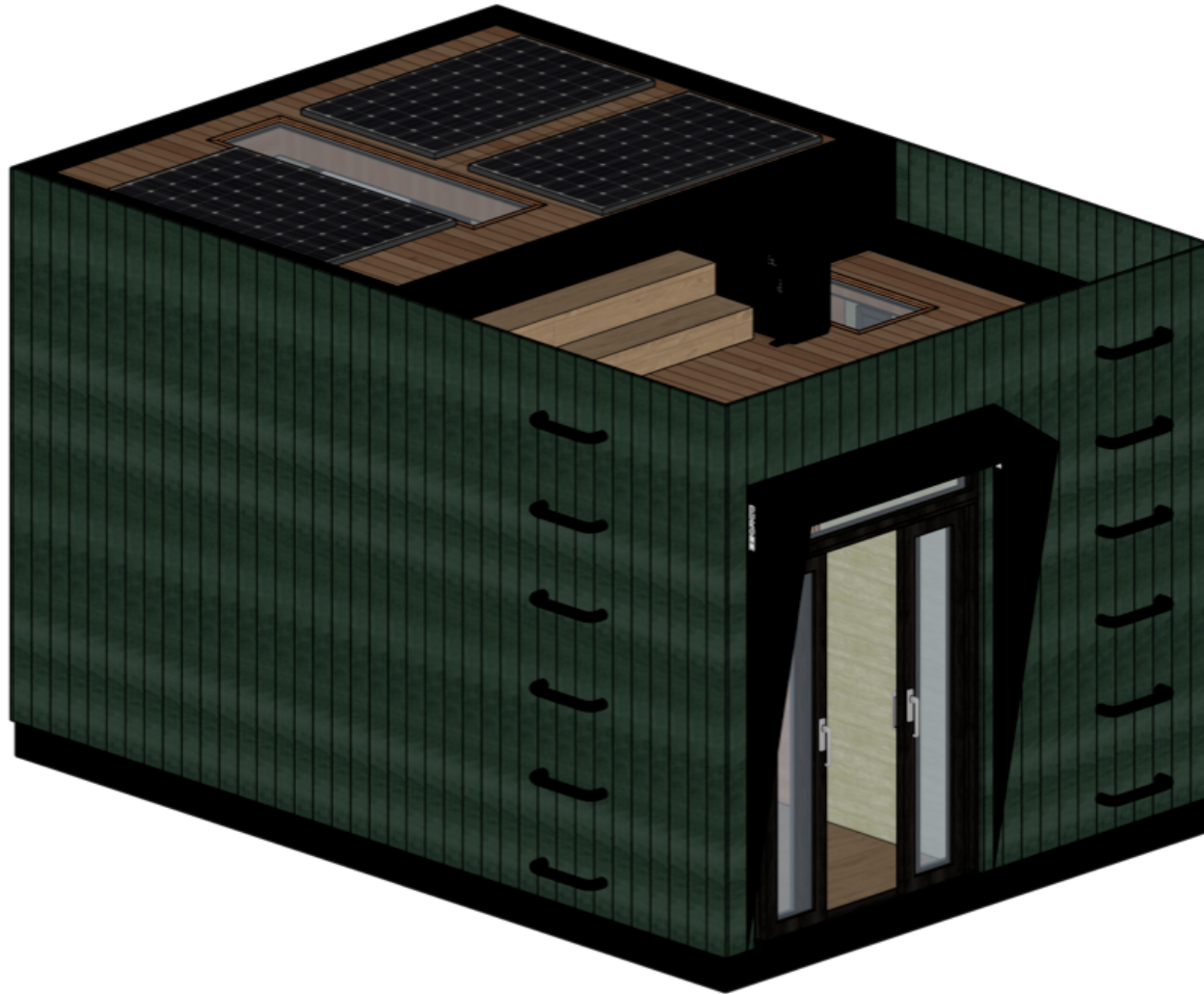
Outside:

Height: 3,3m

Length: 5,3m

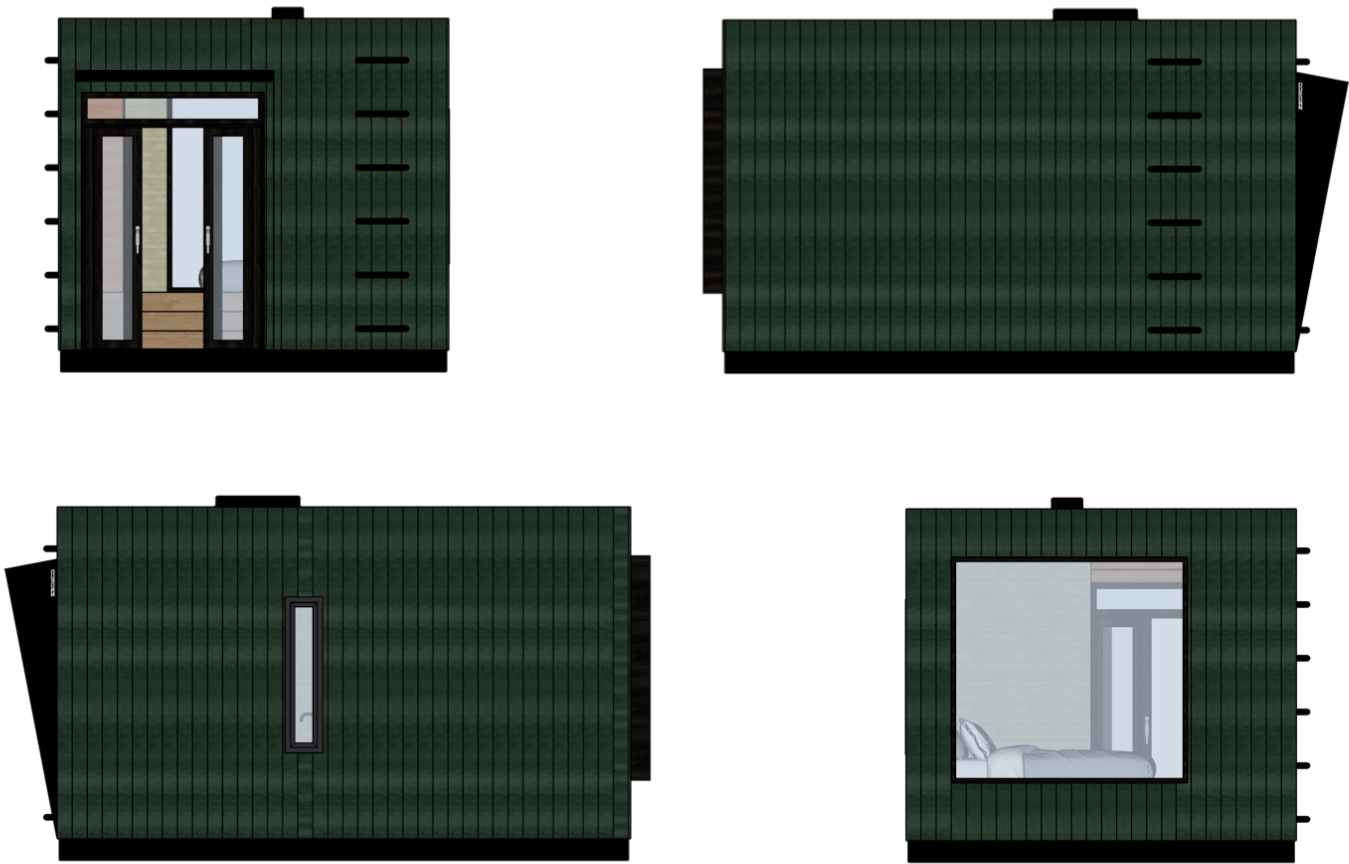
Width: 3,6m

Total External Area: **19.08m²**



UNO GREEN

Facades



UNO PINE

from €15,200

Inside

Height: 2,4m

Length: 4,9m

Width: 3,2m

Usable Internal Area: **16m²**

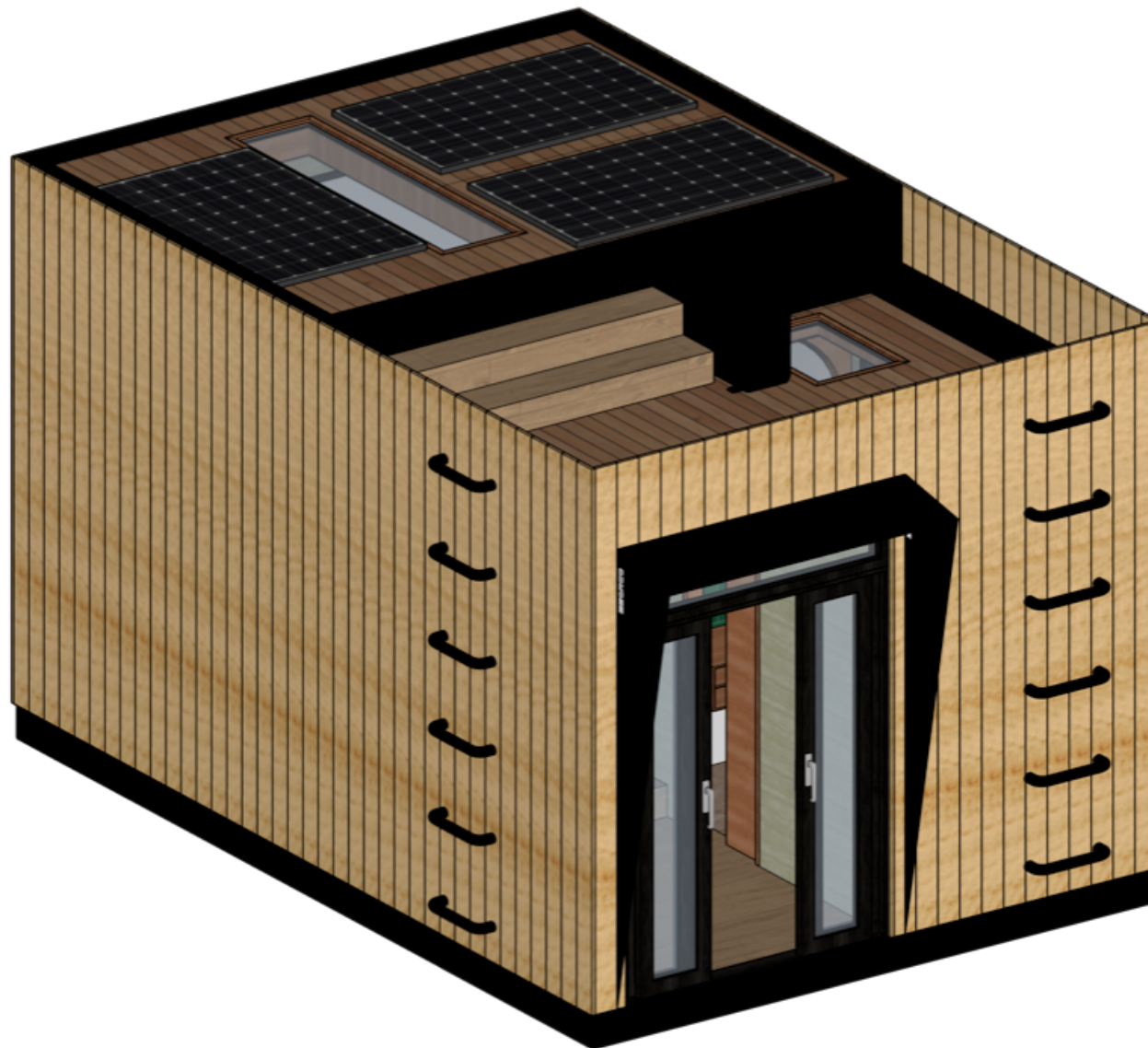
Outside:

Height: 3,3m

Length: 5,3m

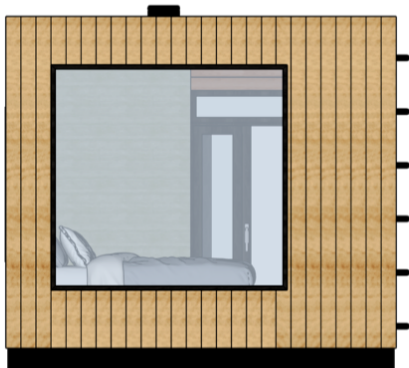
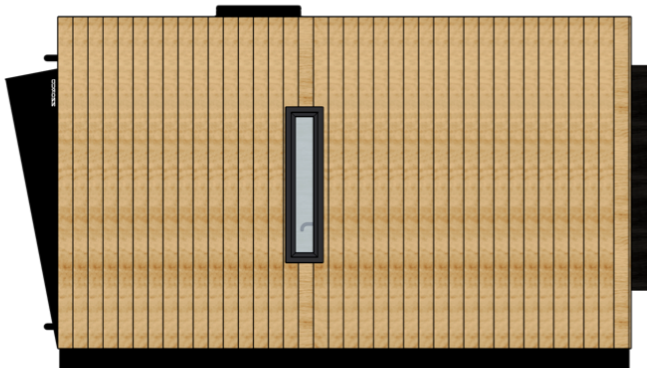
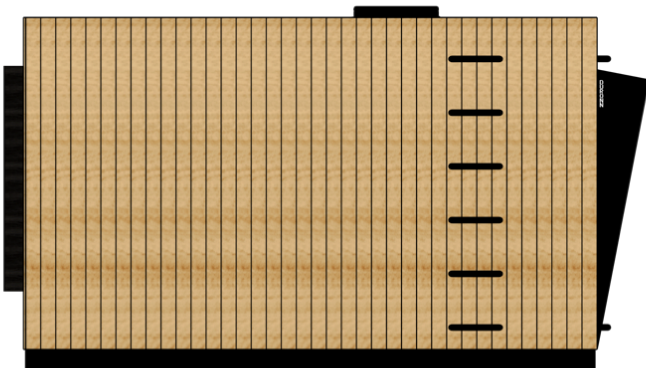
Width: 3,6m

Total External Area: **19.08m²**



UNO PINE

Facades



UNO RED

from €16,200

Inside

Height: 2,4m

Length: 4,9m

Width: 3,2m

Usable Internal Area: **16m²**

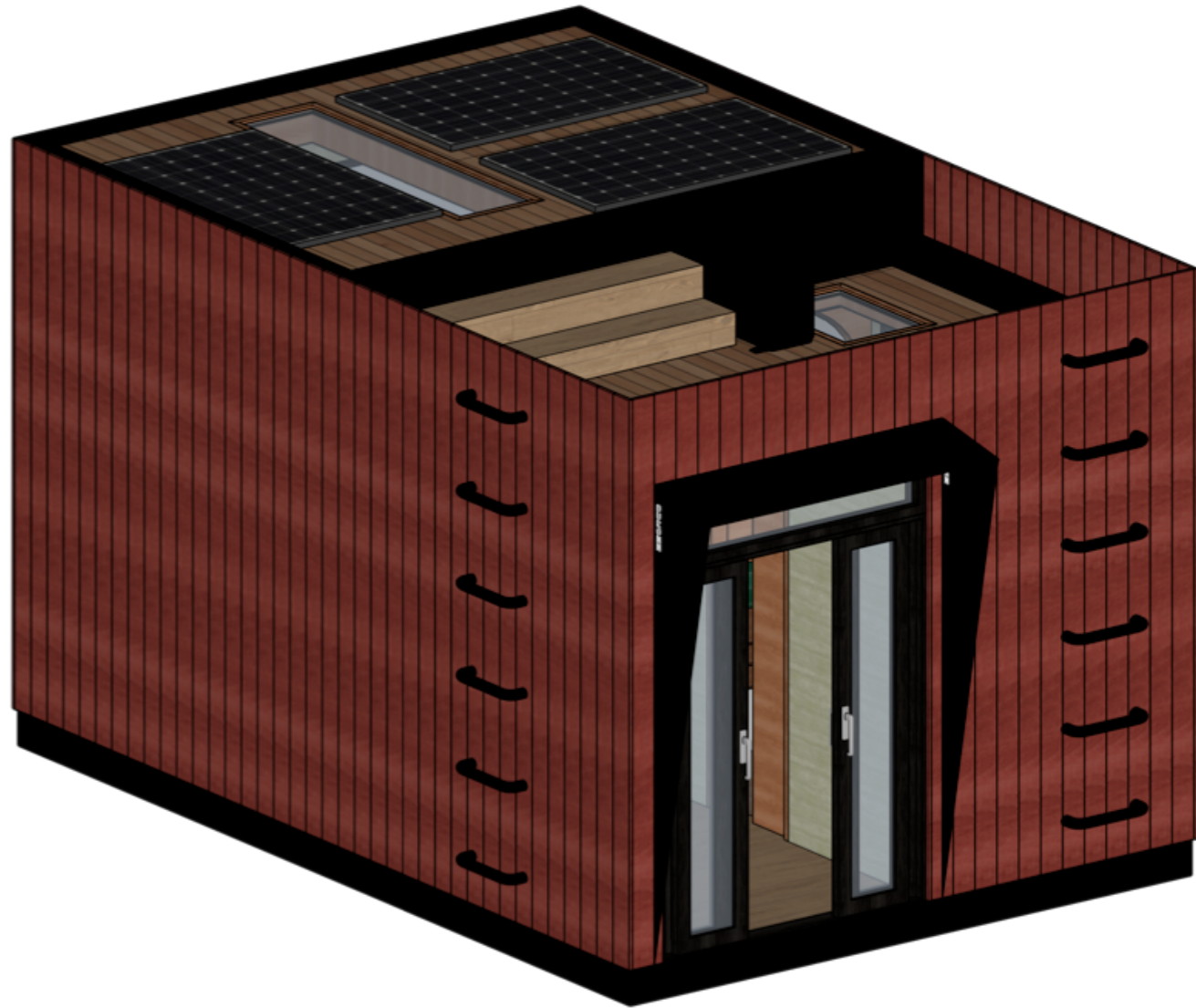
Outside:

Height: 3,3m

Length: 5,3m

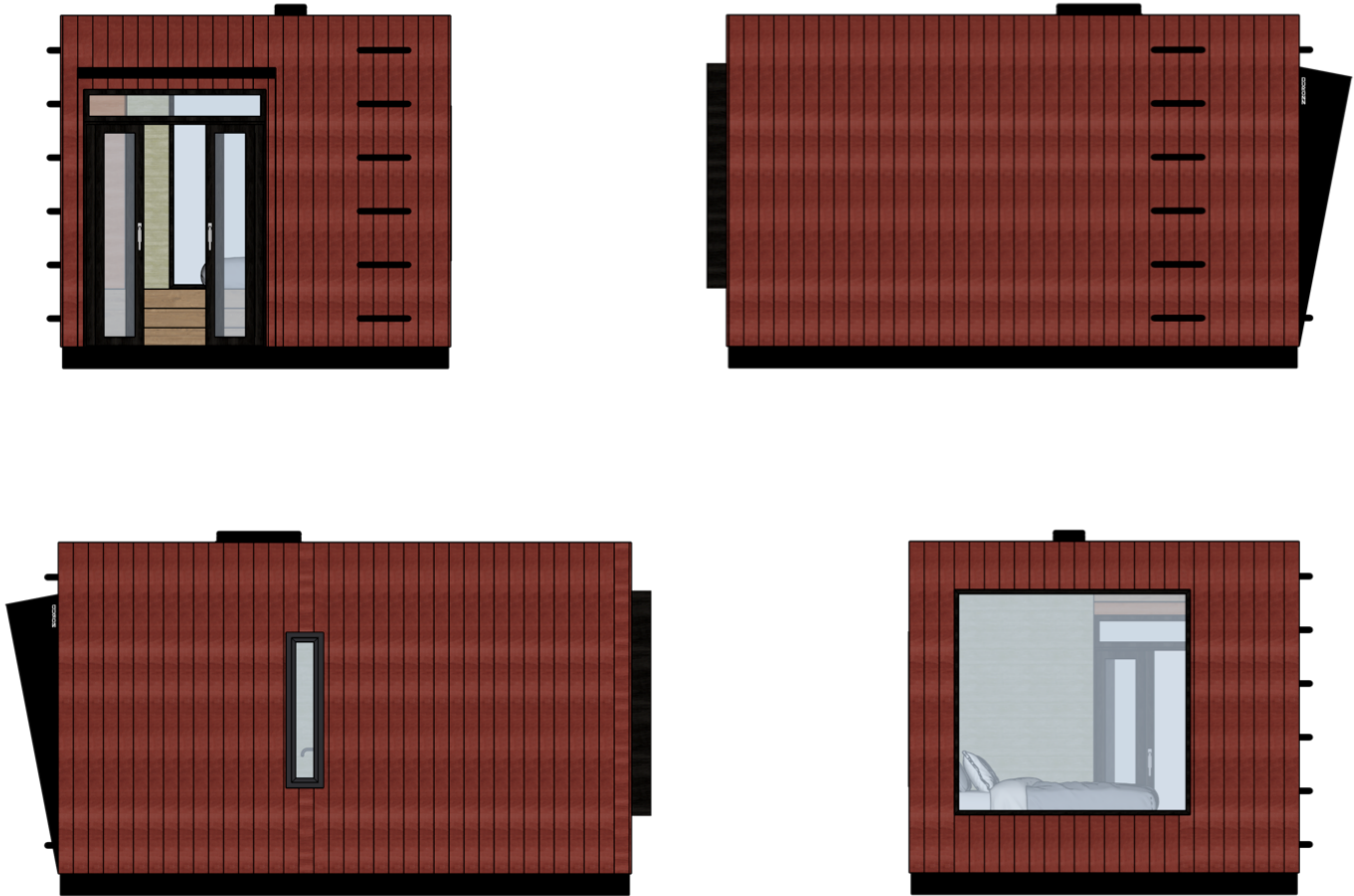
Width: 3,6m

Total External Area: **19.08m²**



UNO RED

Facades



UNO THERMO RADIATA PINE

from €17, 600

Inside

Height: 2,4m

Length: 4,9m

Width: 3,2m

Usable Internal Area: **16m²**

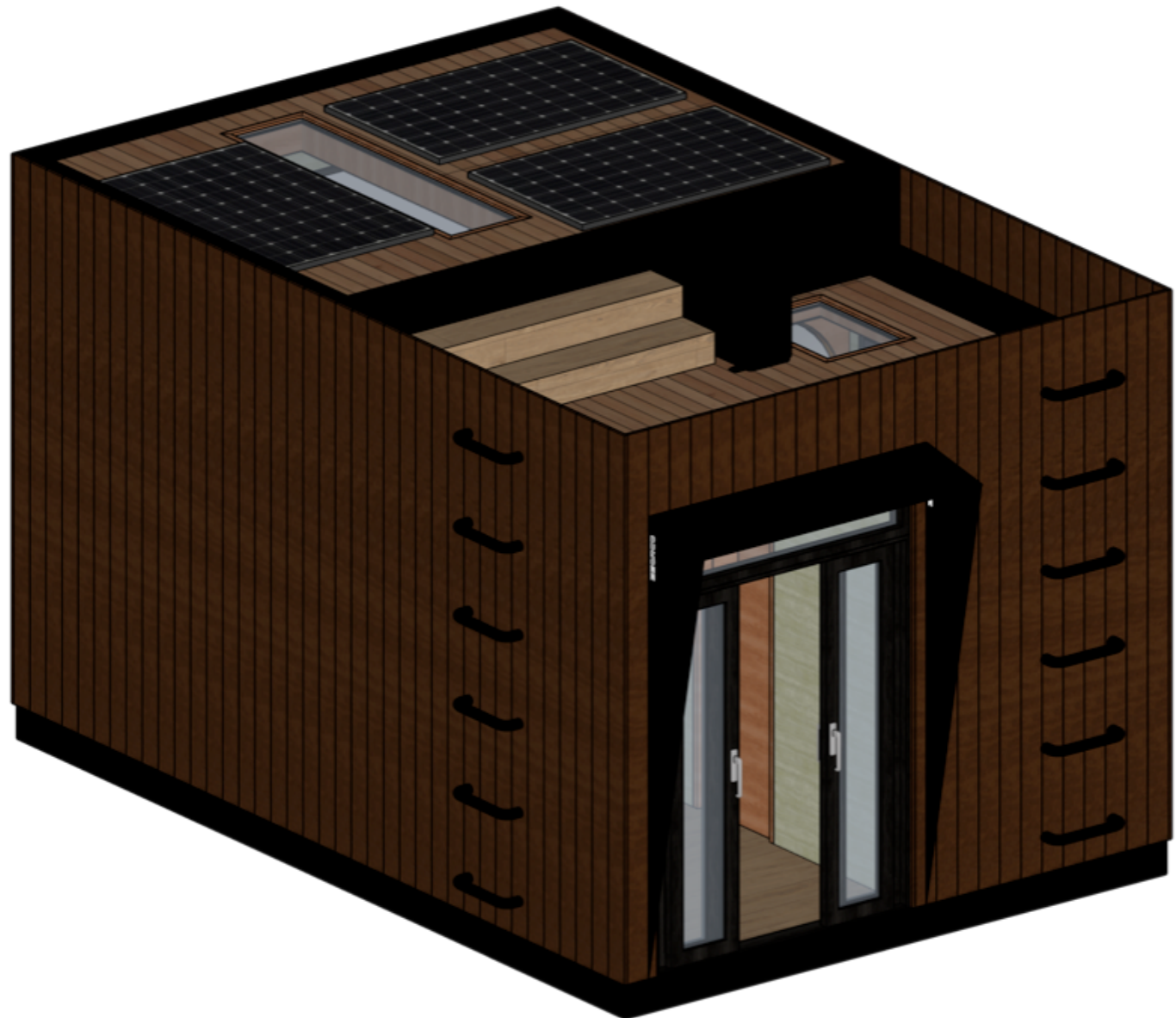
Outside:

Height: 3,3m

Length: 5,3m

Width: 3,6m

Total External Area: **19.08m²**



UNO THERMO
RADIATA PINE

Facades



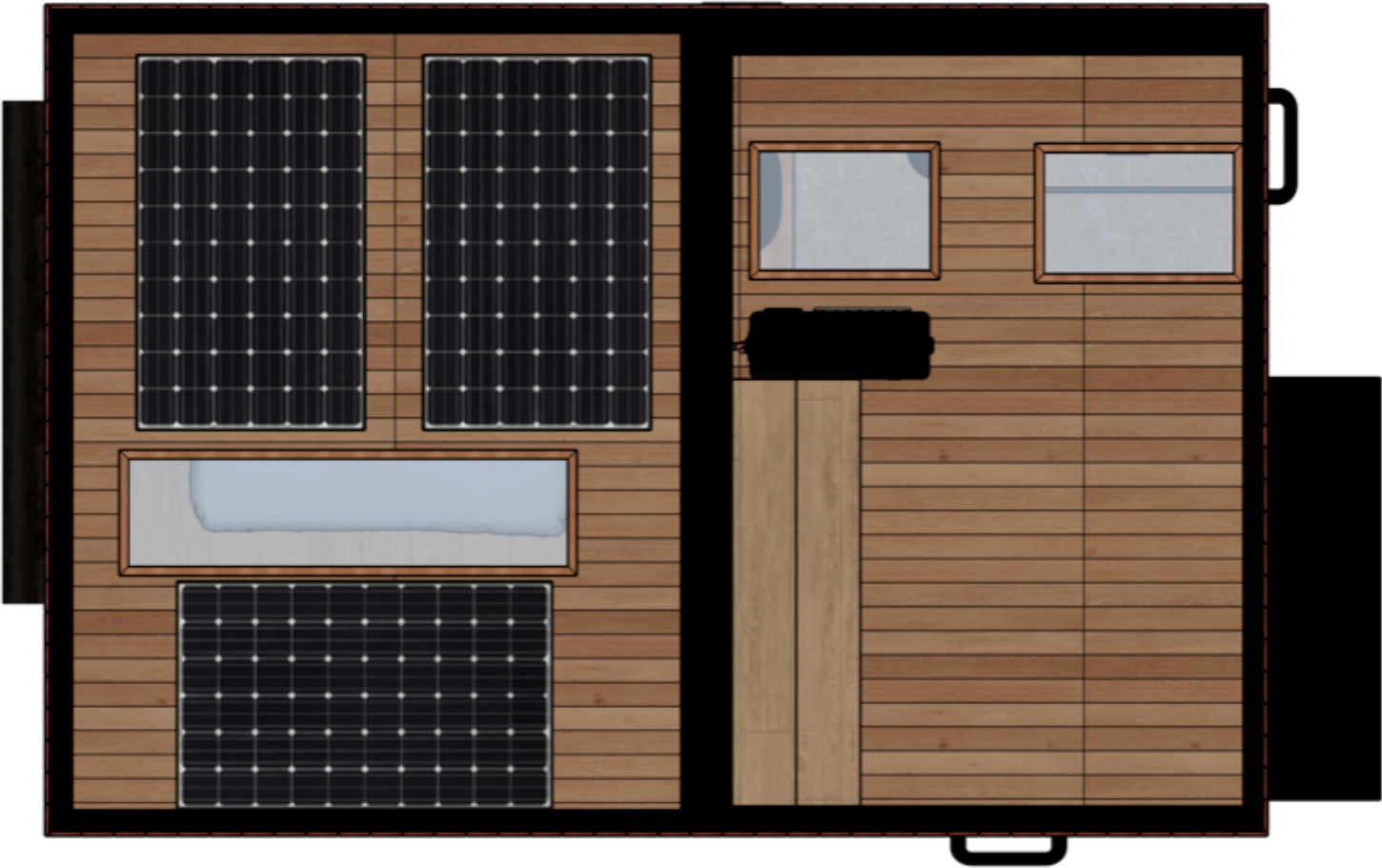
UNO CABINS

Floor Plan



UNO CABINS

View from the Roof





Elevate the Experience!

Safari

Beachfront

Nature Living

Hospitality

STUDIO CABIN - GREEN

from €32,600

Inside

Height: 2,4m

Length: 7m

Width: 3,2

Usable Internal Area: 22,4m²

- Bedroom: 8m²

- bathroom: 3,36m²

- kitchen, living space, corridor: 10,33m²

Outside:

Height: 3,3m

Length: 7,4m

Width: 3,6m

Total External Area: 26,64 m²

Roof Terrace

Length: 7,4m

Width: 3,6m

Total External Area: 26,64m²

OPTIONS:

Vivid Translucent 3

BLACK

(Thermo Pine)

Vivid Translucent 5 Olive

GREEN

(Thermo Radiata Pine)

Vivid Opaque 7D

RED

(Thermo Pine Brushed)

Vivid Silvered Light

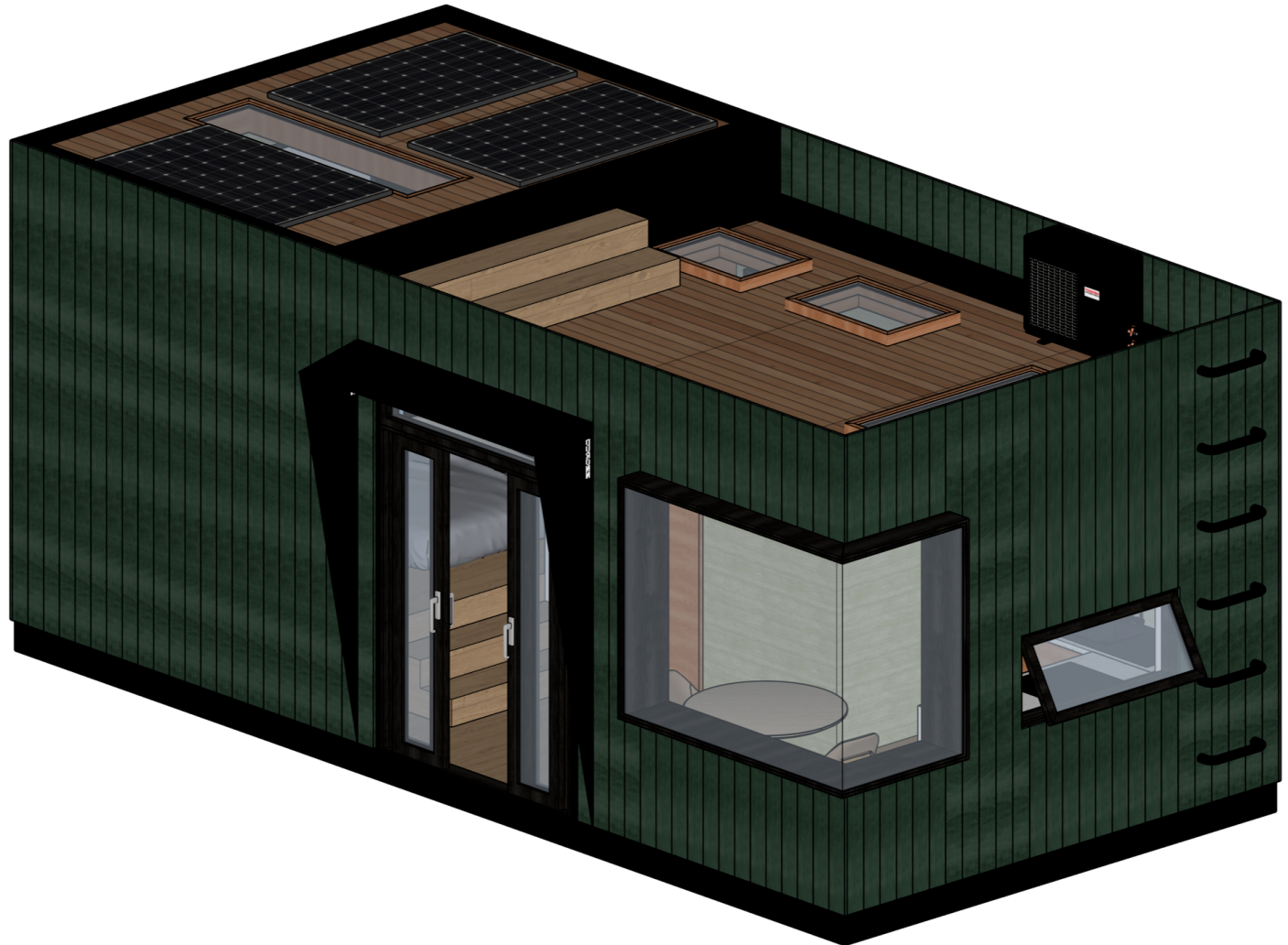
LIGHT GREY

(Thermo Pine Brushed)

Vivid Opaque 7D

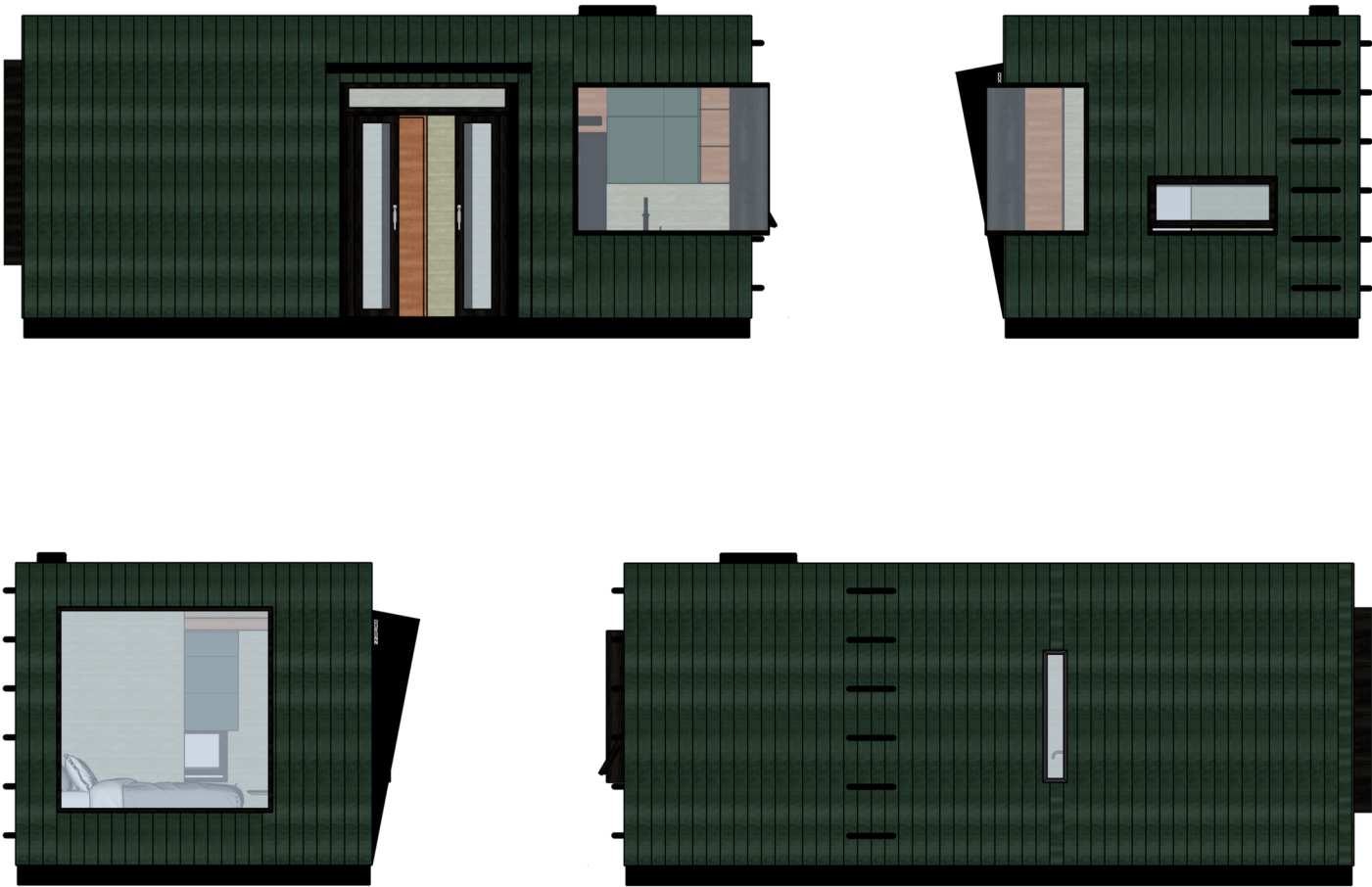
Anthracite Gray

(Thermo Spruce, Roughed)



STUDIO CABIN
GREEN

Facades



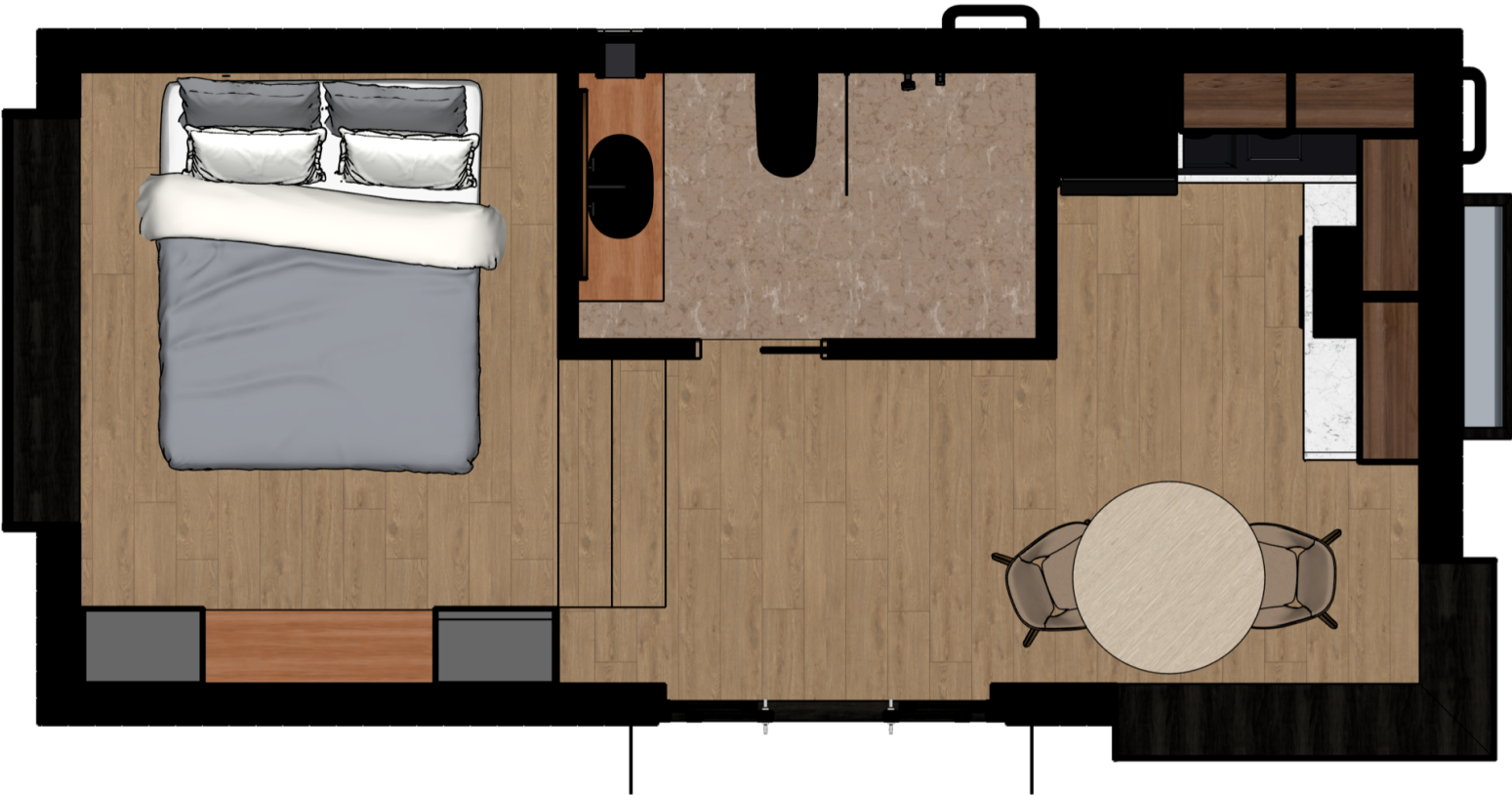
STUDIO CABIN

View from the Top



STUDIO CABIN

Floor Plan





Change your perspective!

Live Smart, Live Green, Live Economically

UNO CABIN - LIGHT PINE

from €17,300

Inside

Height: 2,4m

Length: 5m

Width: 3,2m

Usable Internal Area: 16m²

- Bedroom: 8m²

- Bathroom: 3,36m²

- Corridor: 4,08m²

Outside:

Height: 3,3m

Length: 5,3m / 6,3m

Width: 3,6m

Total External Area: 22,68m²

Balcony

Length: 1m

Width: 3,6m

Total External Area: 1,36m²

OPTIONS:

Vivid Translucent 3

BLACK

(Thermo Pine)

Vivid Translucent 5 Olive

GREEN

(Thermo Radiata Pine)

Vivid Opaque 7D

RED

(Thermo Pine Brushed)

Vivid Silvered Light

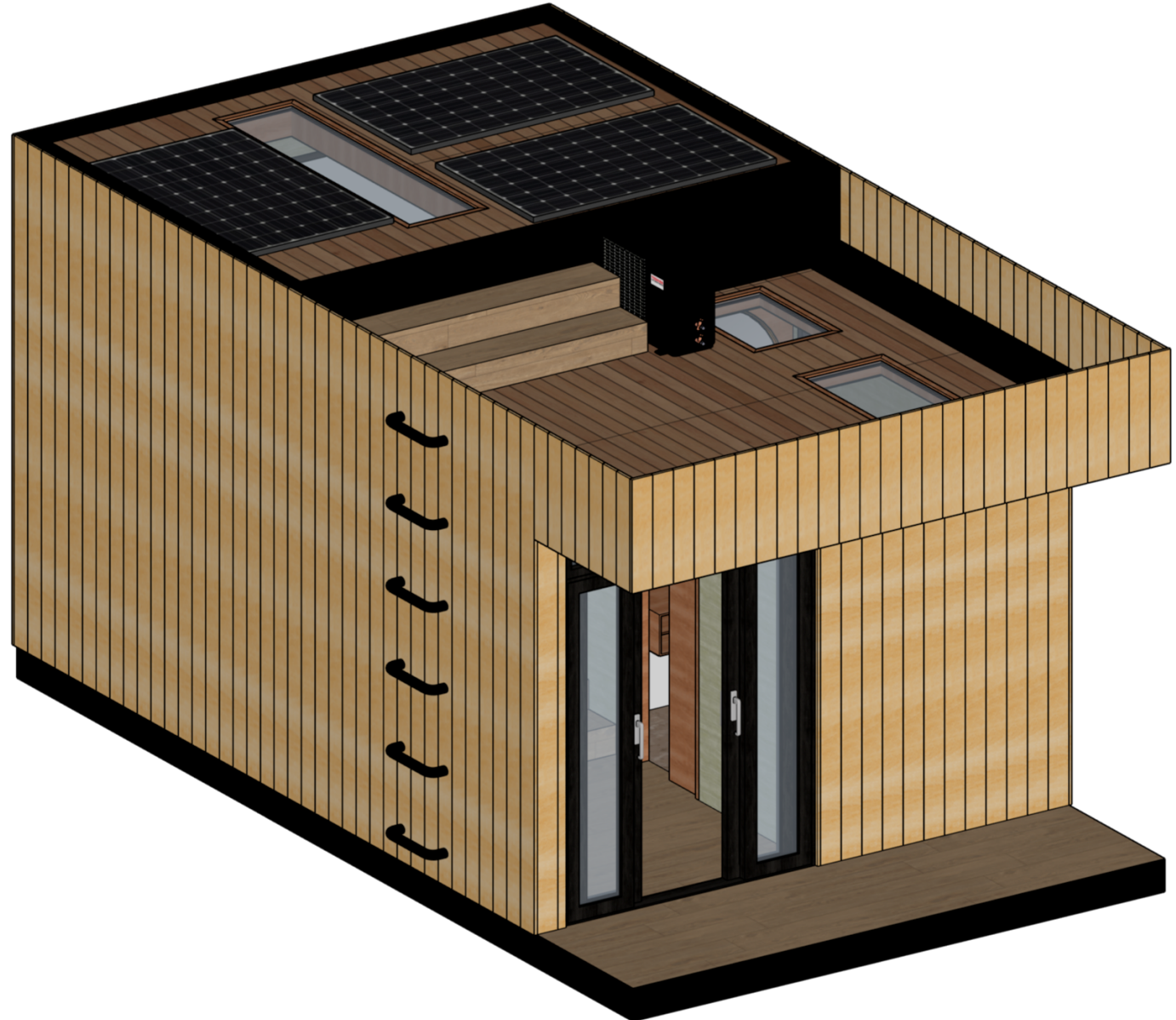
LIGHT GREY

(Thermo Pine Brushed)

Vivid Opaque 7D

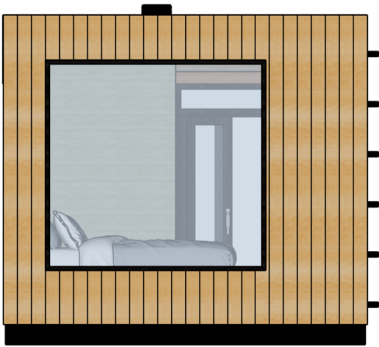
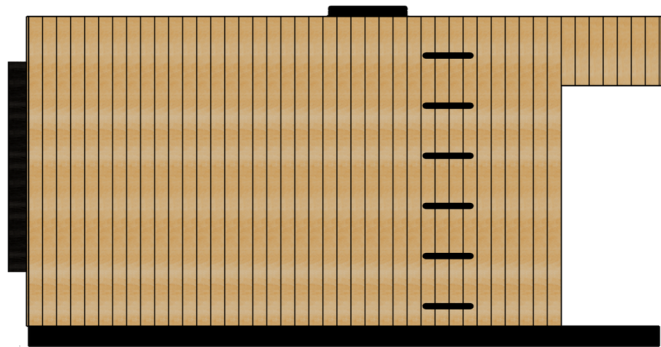
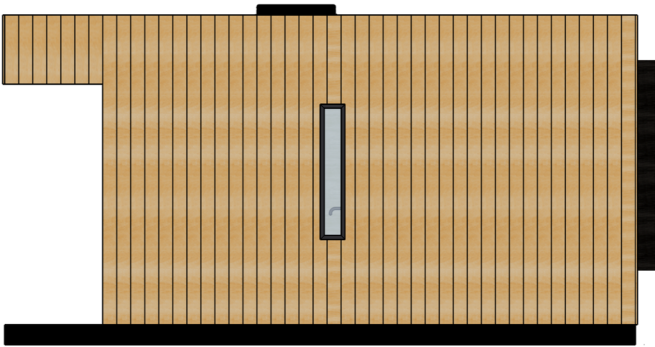
Anthracite Gray

(Thermo Spruce, Roughed)



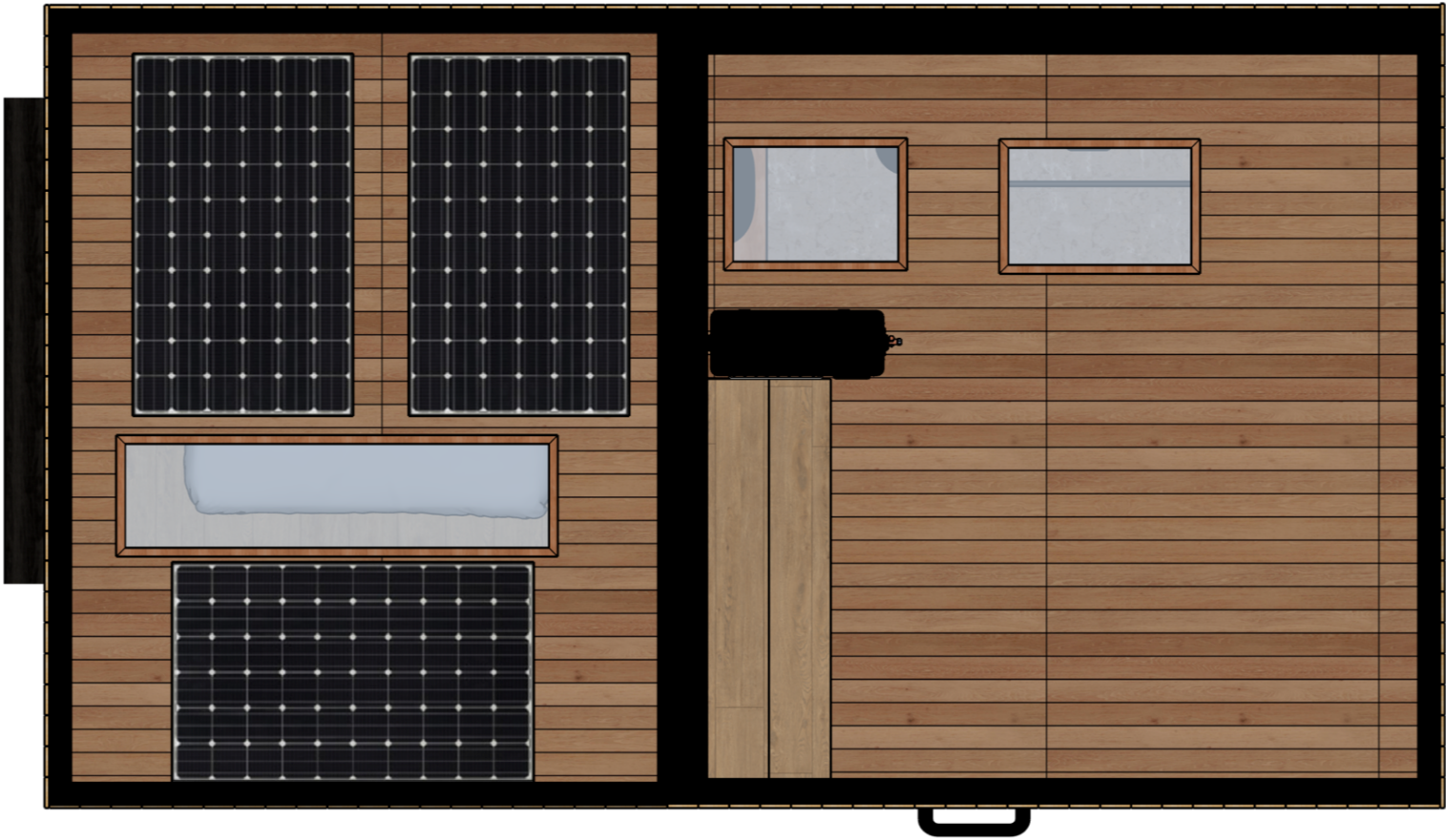
UNO CABIN
LIGHT PINE

Facades



UNO CABIN

View from the Top



UNO CABIN

Floor Plan



PANORAMA CABIN DARK PINE

from €38,300

Inside

Height: 2,4m

Length: 7m

Width: 3,6m

Usable Internal Area: 22,4m²

- Bedroom: 8m²

- Bathroom: 3,36 m²

- Corridor, Kitchen, livin space: 10,22m²

Outside:

Height: 3,8m / 3,3m

Length: 8,22m / 7,4m

Width: 3,6m

Total External Area: **26,64m²**

Roof Terrace

Length: 7,4m

Width: 3,6m

Area: **26,64m²**

OPTIONS:

Vivid Translucent 3

BLACK

(Thermo Pine)

Vivid Translucent 5 Olive

GREEN

(Thermo Radiata Pine)

Vivid Opaque 7D

RED

(Thermo Pine Brushed)

Vivid Silvered Light

LIGHT GREY

(Thermo Pine Brushed)

Vivid Opaque 7D

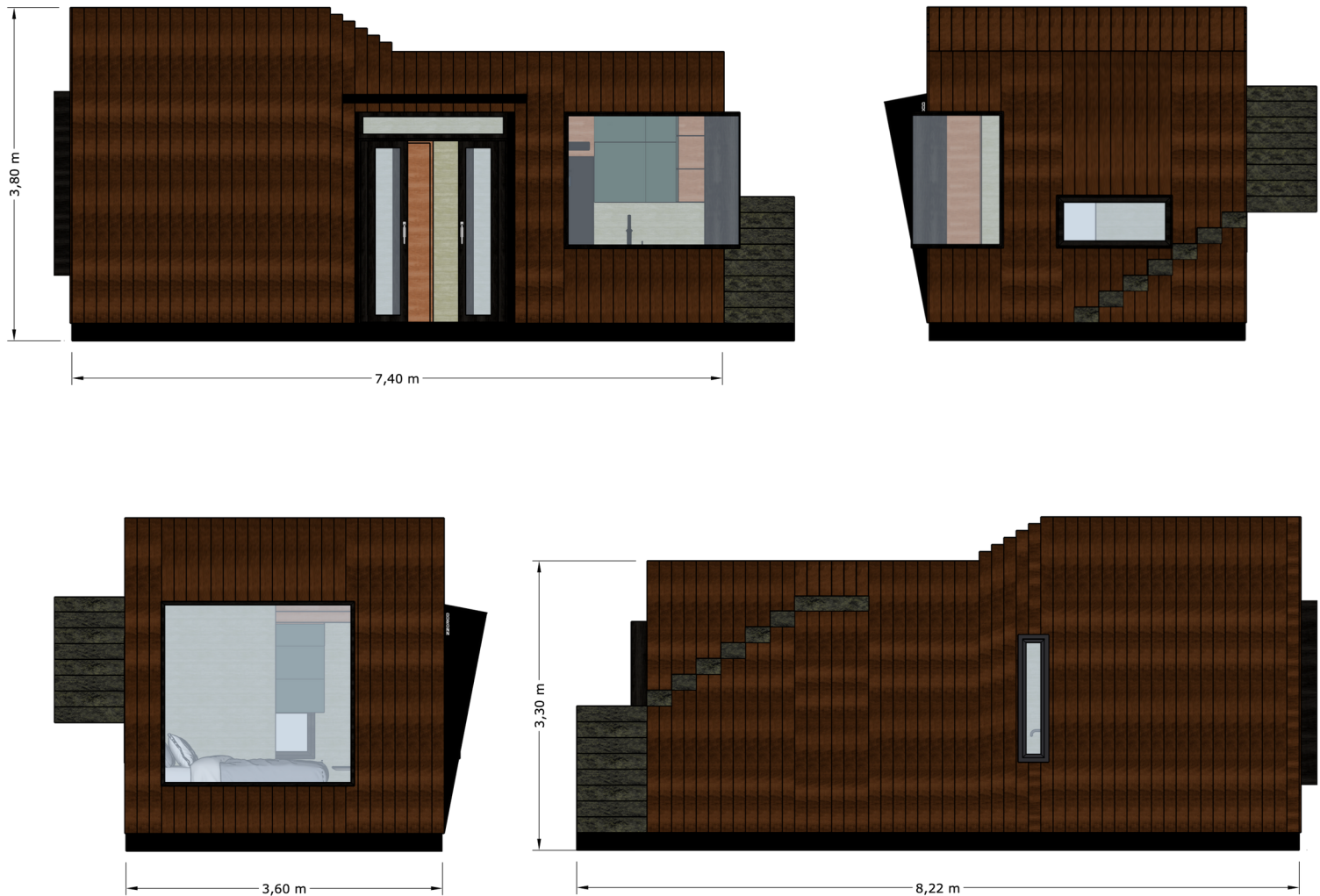
Anthracite Gray

(Thermo Spruce, Roughed)



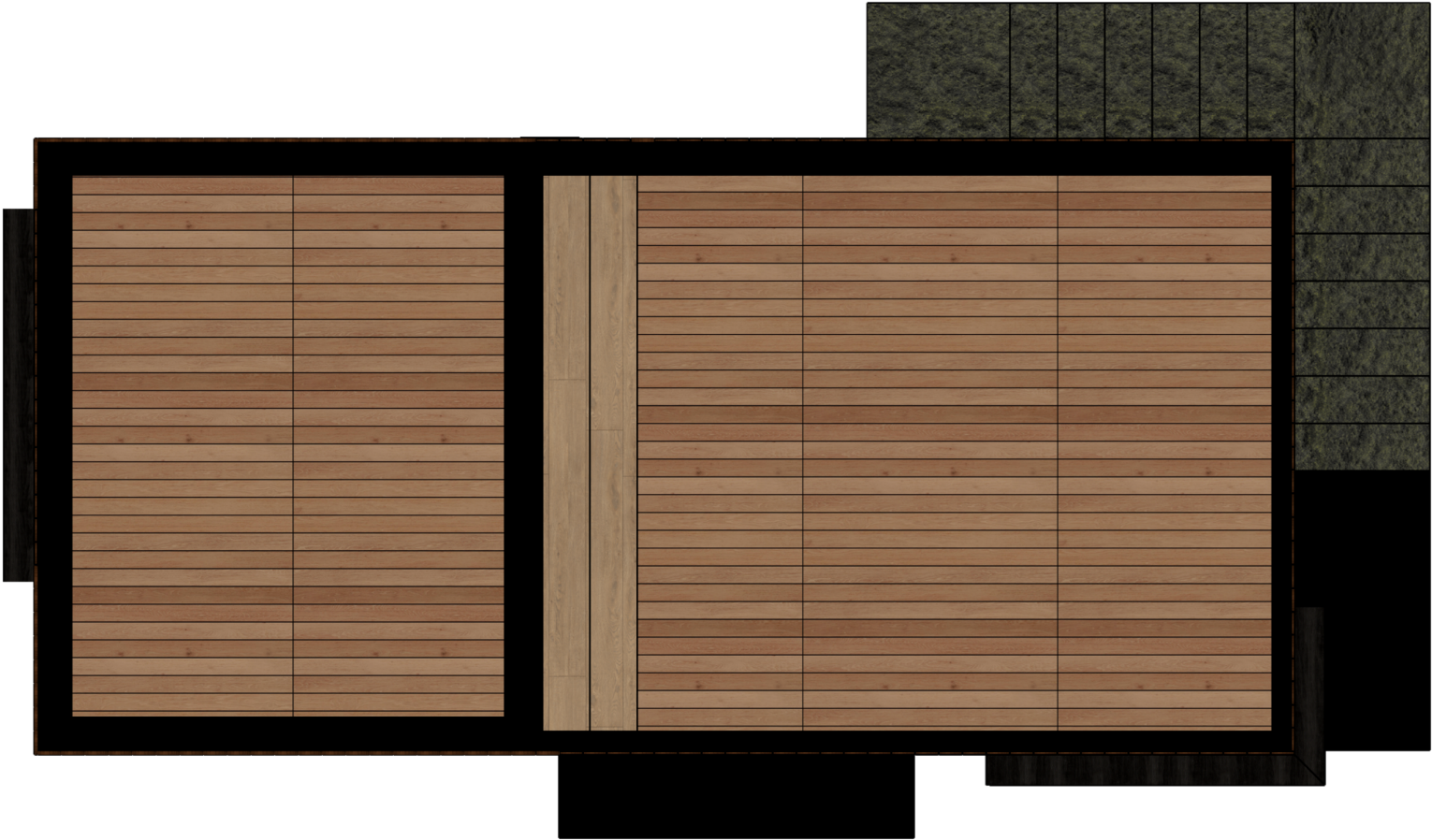
PANORAMA CABIN
DARK PINE

Facades



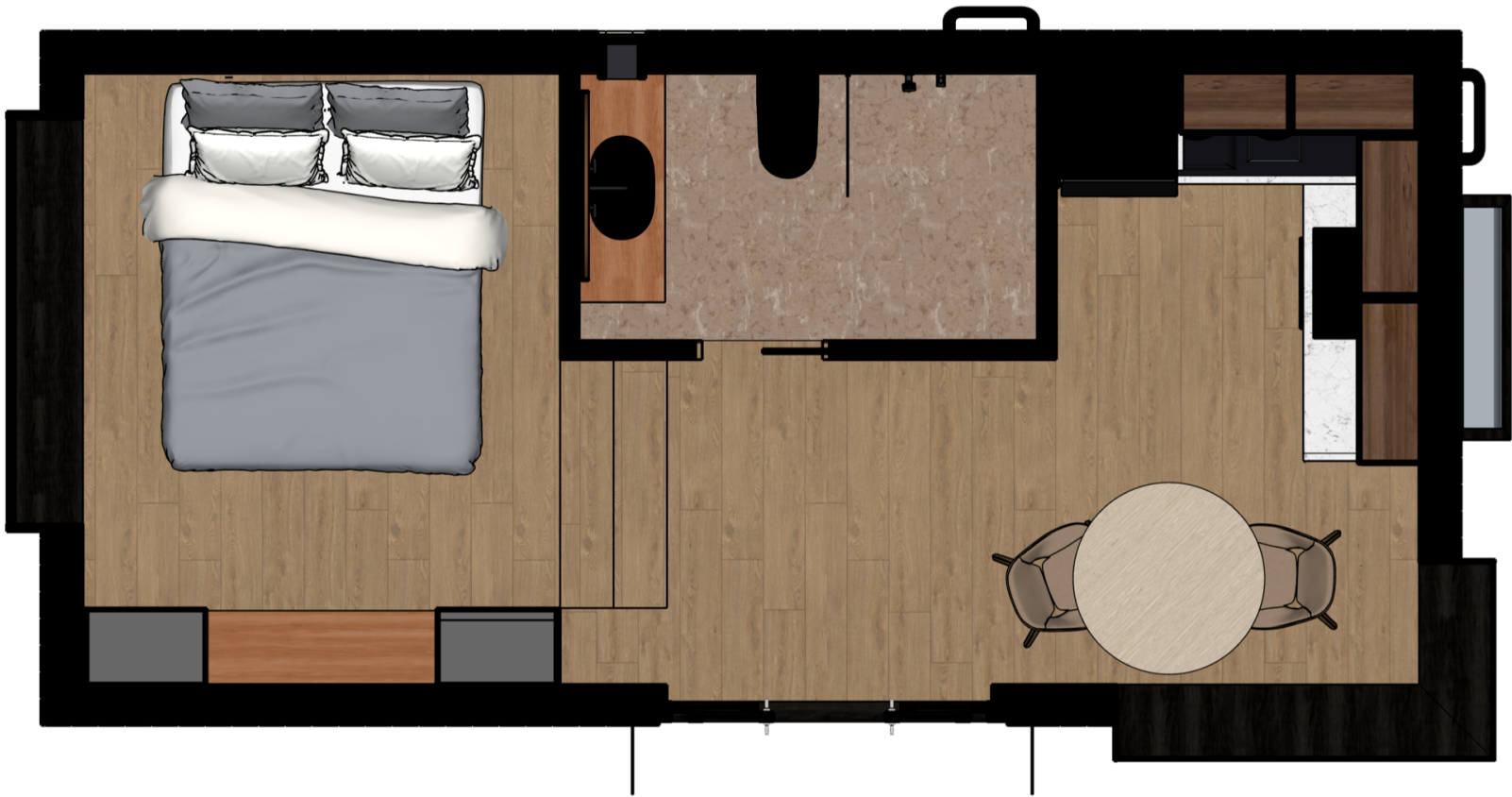
PANORAMA CABIN

View from the Top



PANORAMA CABIN

Floor Plan



WOOD CARE

Thermowood cladding boards do not necessitate surface treatment. Similar to any untreated wood, the surface of Thermory products will naturally acquire a silver-gray patina over time. This process commences immediately and may take several months to a few years to fully develop, depending on the intensity of UV radiation to which the wood is exposed. Nevertheless, this natural aging process does not compromise the durability of the wood.

THERMO-ASH

A PREMIUM HARDWOOD THAT CONSISTENTLY EXCEEDS ESTABLISHED PERFORMANCE STANDARDS.

DURABILITY CLASS:

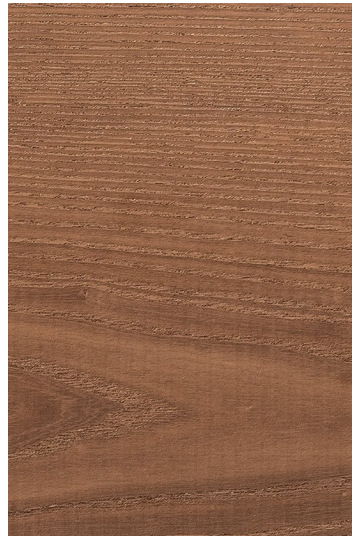
1 (25+ years' protection against wood decay)

AVAILABLE IN:

TEXTURE:

Smooth, Brushed, Roughened

Due to the inherent nature of wood as a natural material, it tends to age unevenly, resulting in varying rates of discoloration on different sides of a building, influenced by their exposure to weather conditions. To address this issue, we have developed a comprehensive range of wood finishing solutions designed to prevent uneven graying, thereby ensuring a consistent appearance across all surfaces.



After Production.



1 Year.



5-20 Years

THERMO-PINE

THE UPDATED DURABILITY STANDARD FOR SOFTWOOD CLADDING.

DURABILITY CLASS:

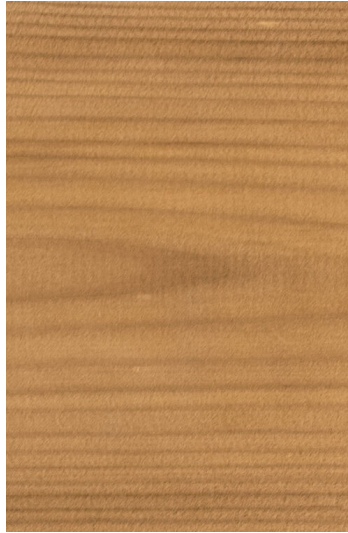
2 (15+ years' protection against wood decay)

AVAILABLE IN:

TEXTURE:

Smooth, Brushed, Roughened

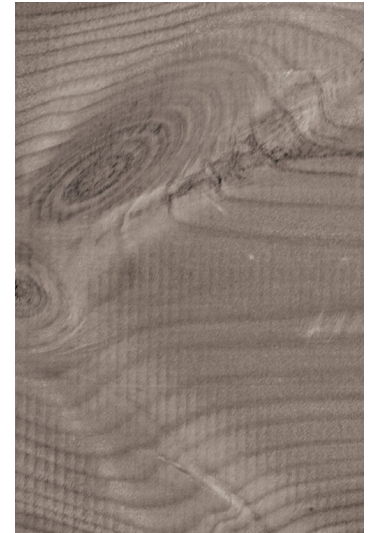
Due to the inherent nature of wood as a natural material, it tends to age unevenly, resulting in varying rates of discoloration on different sides of a building, influenced by their exposure to weather conditions. To address this issue, we have developed a comprehensive range of wood finishing solutions designed to prevent uneven graying, thereby ensuring a consistent appearance across all surfaces.



After Production.



1 Year.



5-20 Years

THERMO-SPRUCE

A RESILIENT SOFTWOOD THAT EXHIBITS INHERENT AESTHETIC APPEAL.

DURABILITY CLASS:

1 (25+ years' protection against wood decay)

AVAILABLE IN:

TEXTURE:

Smooth, Brushed, Roughened, Embossed

Due to the inherent nature of wood as a natural material, it tends to age unevenly, resulting in varying rates of discoloration on different sides of a building, influenced by their exposure to weather conditions. To address this issue, we have developed a comprehensive range of wood finishing solutions designed to prevent uneven graying, thereby ensuring a consistent appearance across all surfaces.



After Production.



1 Year.



5-20 Years

THERMO RADIATA PINE

A REFINED, KNOT-FREE APPEARANCE ACHIEVED THROUGH THE USE OF DURABLE SOFTWOOD.

DURABILITY CLASS:

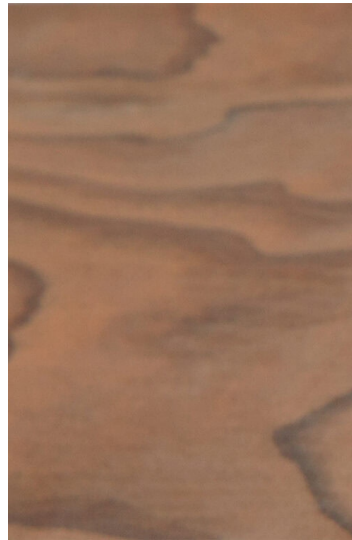
2 (15+ years' protection against wood decay)

AVAILABLE IN:

TEXTURE:

Smooth, Brushed, Embossed

Due to the inherent nature of wood as a natural material, it tends to age unevenly, resulting in varying rates of discoloration on different sides of a building, influenced by their exposure to weather conditions. To address this issue, we have developed a comprehensive range of wood finishing solutions designed to prevent uneven graying, thereby ensuring a consistent appearance across all surfaces.



After Production.



1 Year.



5-20 Years

THERMO-OAK

A DISTINCTIVE HARDWOOD KNOWN FOR ITS NATURAL BEAUTY AND ELEGANCE.

DURABILITY CLASS:

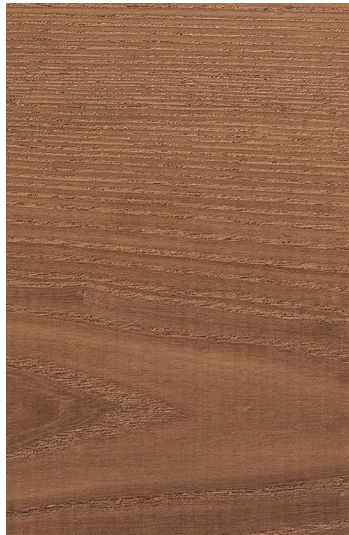
1 (25+ years' protection against wood decay)

AVAILABLE IN:

TEXTURE:

Smooth, Brushed

Due to the inherent nature of wood as a natural material, it tends to age unevenly, resulting in varying rates of discoloration on different sides of a building, influenced by their exposure to weather conditions. To address this issue, we have developed a comprehensive range of wood finishing solutions designed to prevent uneven graying, thereby ensuring a consistent appearance across all surfaces.



After Production.



1 Year.



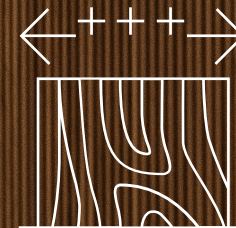
5-20 Years

THERMOWOOD FLOORING BOARDS – COMFORT BENEATH YOUR FEET, BEAUTY ALL AROUND.

Duronn flooring boards are crafted from genuine wood that has been naturally enhanced to infuse charm and beauty into any space. The collection features a diverse array of shades, ranging from light to dark, along with both narrow and wide boards that are easy to install. These solid wood flooring products come unfinished, allowing you the freedom to choose from a selection of oils and lacquers that suit your taste. The application of oil or lacquer not only preserves the wood but also enhances its appearance, providing a richer and more uniform finish. This finishing process can be performed once the untreated solid wood floorboards have been installed and the adhesive has fully cured.



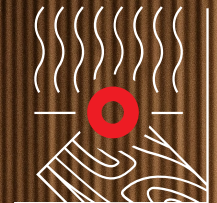
EASY CARE



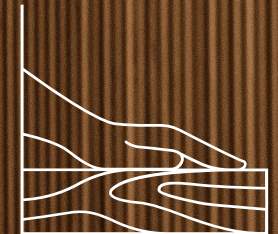
**EXTRA WIDE
PANELS**



STABLE



**THERMALLY
MODIFIED**



**SMOOTH
FINISH**



Elevate your lifestyle and transform your daily routine with our exquisite custom-made saunas, meticulously crafted from premium thermally modified alder wood. These saunas are designed not only to rejuvenate your body but also to promote mental clarity and relaxation. Experience the soothing ambiance and natural beauty of the alder, enhanced by the gentle warmth that envelops you. With our thoughtfully designed saunas, you can create a haven of tranquility that benefits both your well-being and that of your customers. Indulge in a sanctuary that harmonizes your physical health with an enriching mental experience.



Designed and Built in Europe.

For more information, please contact us at
www.duronn.com.