

HYBRID COMPOSITE BOARDS

 **TIMBERNESS**

Timberness are ecological and innovative composite boards based on the idea of a hybrid – a combination of two solutions maximizing benefits.

They are produced using an advanced, modern production line, and their quality is the result of compliance with the relevant production standards and careful selection of materials. A team with extensive experience in the industry is responsible for Timberness products. It is their energy that helps us continually improve our boards and finishing elements. The manufacturing process of Timberness boards takes place entirely within the European Union.



Wide range of applications

Hybrid boards by Timberness is a timeless alternative to natural wood or terrace tiles. Due to the resistance to moisture and water, no need of maintenance and anti-slip properties, they gain a functional advantage over other solutions. Their natural, wood-like appearance gives every place a modern character, which, thanks to the ease of care, can be maintained for years.

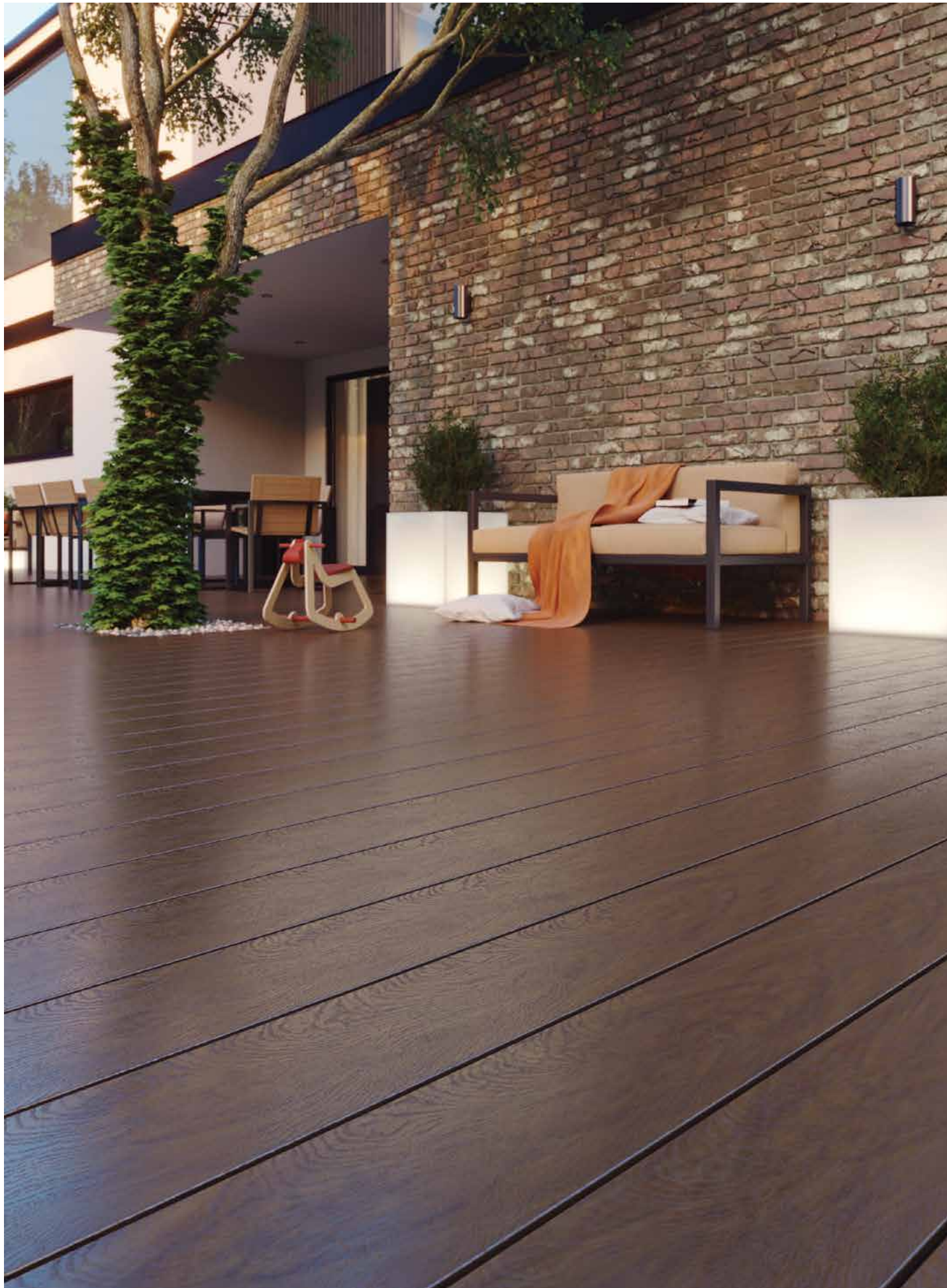
For your home and business

Timberness is perfect for any home or apartment. Thanks to Forest's perfect imitation of natural wood, your terrace can become a real extension of your living room – simply choose Forest board in the same colour as your wooden floor. The reduced height of City and Select boards is especially useful for balconies where the distance from the ground to the threshold of the balcony door does not allow a standard board height. The improved chamber structure of the Forest board makes the product much more rigid and thus more resistant to external forces. For this reason, Forest is recommended for commercial applications, such as restaurant and hotel terraces and public areas.

Not only terraces and balconies

Thanks to their resistance to moisture and water, Timberness boards are an ideal, safer solution than wood for pond or pool edging. They also work well on piers, decks, roof terraces, verandas or patios.





Advantages of hybrid boards

A composite board, although deceptively similar to a wooden board, really differs from it. It has greater strength than wood, it is more resistant to moisture and water, it does not mildew, moulder or rot. It has no splinters. In contrast to wood, it does not require complicated care – painting, sanding or impregnation – all you need to do is to wash it with water and ordinary detergent (e.g. dish-washing liquid). It is also much more fire resistant than wood.

Unique composite properties

By using the highest quality ingredients and co-extrusion technology, we have been able to further enhance the benefits of composite decking. Timberness boards are resistant to low temperatures and UV radiation. They don't get covered with moss, they are not attacked by fungi or pests. Thanks to the brushing process (in the case of Select and City boards) or wood grain embossing (in the case of Forest board), the board has an anti-slip, safe surface. It is resistant to abrasion.

Forest – the new quality of decking

In the surface of the Forest board, we have completely dispensed with the addition of wood fibres. This allowed us to achieve an unprecedented colour fastness and an even higher resistance to moisture and water. It is thanks to the original mix used in the Forest surface that it is even less susceptible to stains and scratches.

Beauty, durability, convenience

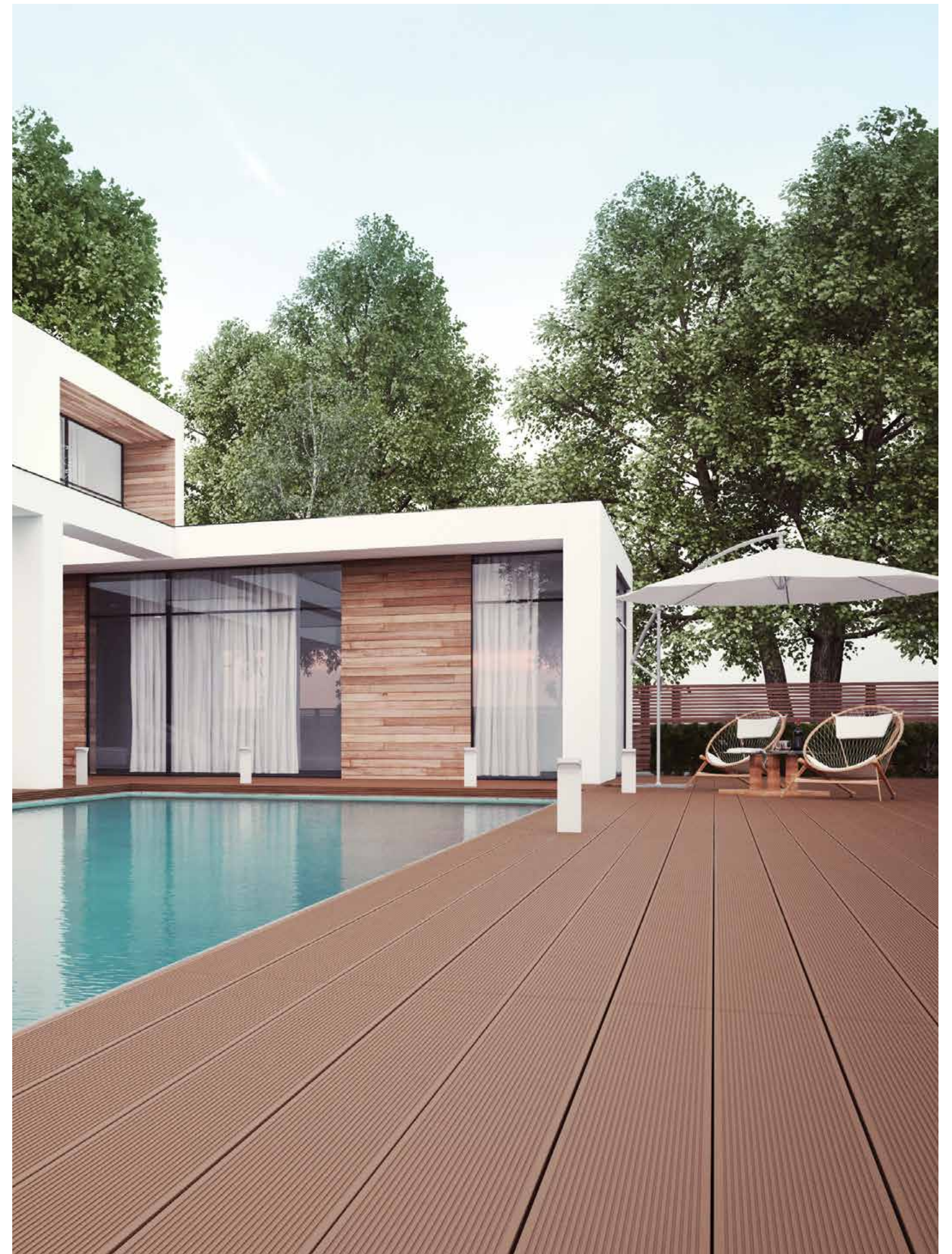
We mastered each item in detail. This is why our boards and mounting items allow the creation of extremely fine-looking terraces and balconies. We offer boards in all kinds of surfaces and colours, and additionally guarantee an aesthetic installation, which enables an even more unique effect.

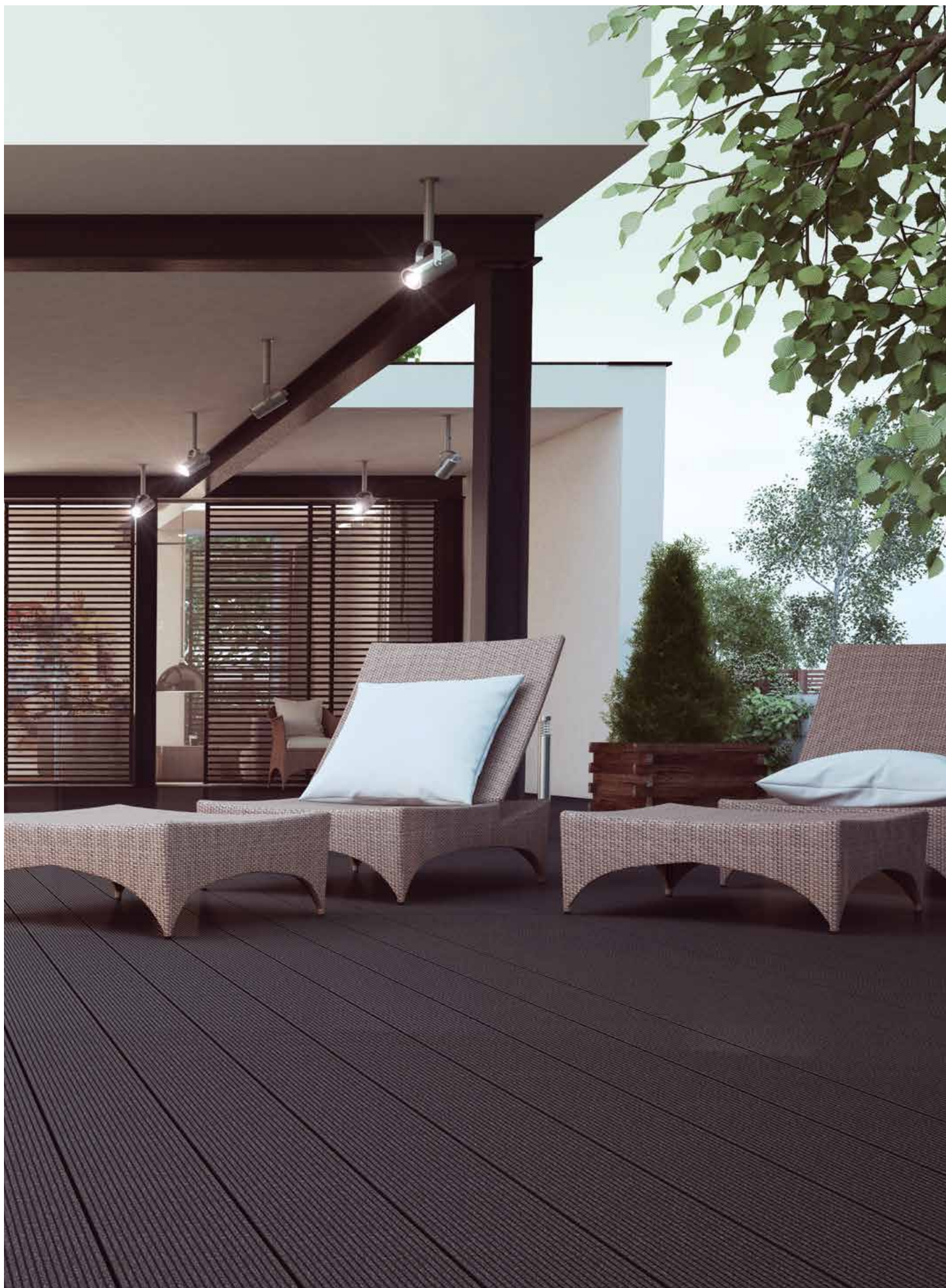
Beauty for years to come

Timberness is more than just goodlooking projects. It is also their durability. This is why we did our best to choose materials that provide stiffness and resistance to mechanical damage. After appropriate tests, we are sure that our products can serve for at least 25 years.

Easy installation

We wanted to improve the ease of use of our products. We made sure to offer comfortable solutions at every stage. Our innovative assembly and finishing systems make the mounting of boards, as well as their subsequent upkeep, much easier.





Maintenance and seasoning

The advantage of the hybrid composite boards is that, in contrast to wood, they do not require complicated maintenance. They only require cleaning – just with water and mild detergent. For the care of the boards we recommend using a high pressure washer, which allows for accurate removal of contamination.

What is seasoning?

The advantage of Timberness boards is the use of high quality wood. The natural feature wood fibres is that they react to sun and rain. Therefore, in the first period after mounting, boards may change their colour. This phenomenon is nothing alarming, because it's a natural process. Such stabilization of wood in a composite board under the influence of atmospheric factors is called seasoning. This process may last – depending on the weather, i.e. exposure to the sun and intensity of precipitation – from one to four months.

The right colour for the board

A natural phenomenon in the first phase of seasoning is characteristic “yellowing” that lasts up to a month after installation. During this time, the colour of the boards may be slightly different than expected. Only after a period of seasoning do the boards take their proper colour. Please note that the final colour of the board is slightly brighter than before installation, and over time will continue to gently brighten. It is a characteristic of all composite boards.

TimbernessFOREST®

The beauty of natural wood

Colours:



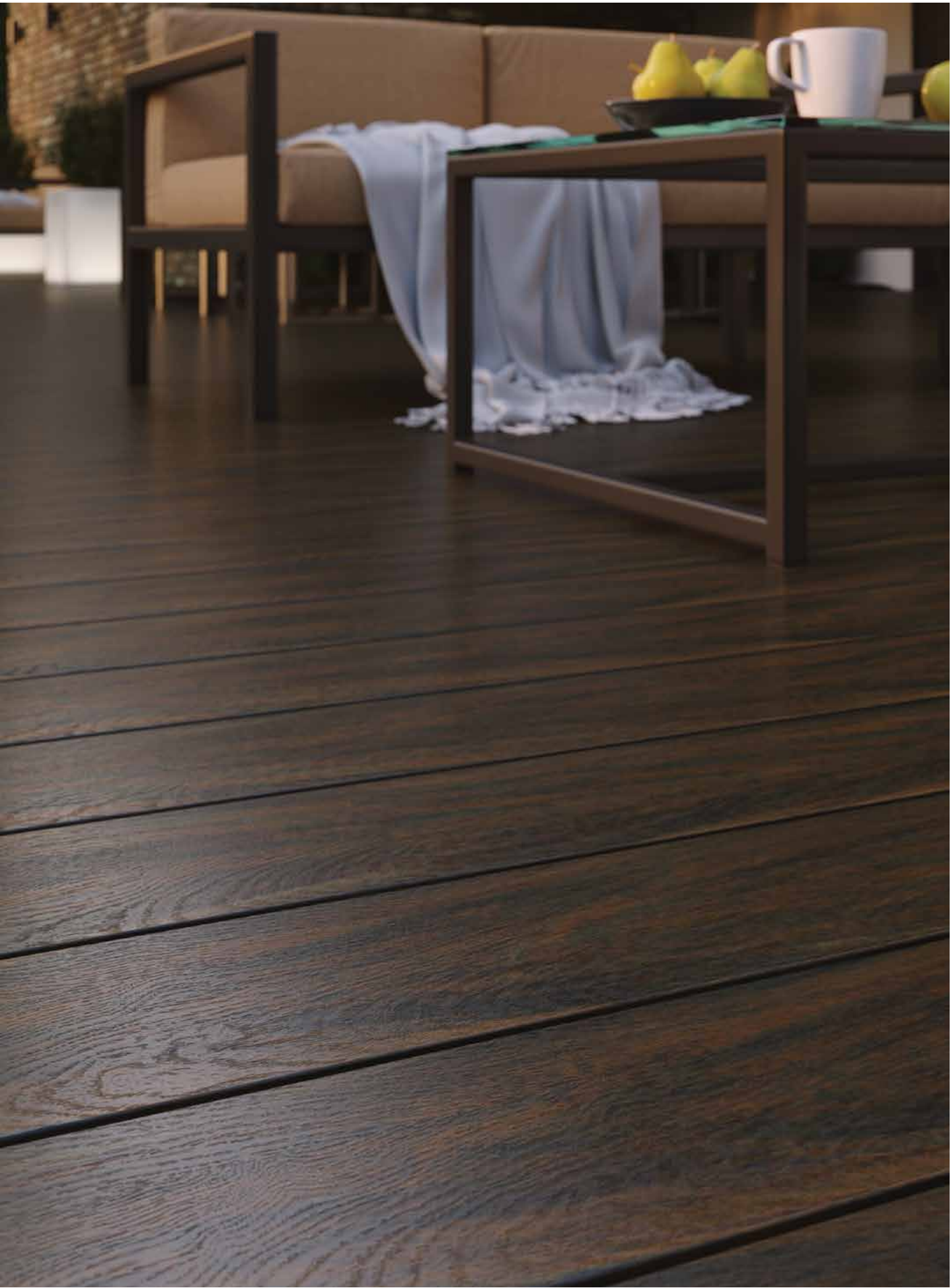
Composite finishing strips



FOREST board has the beauty of natural wood and all the advantages of a composite board. Each board is uniquely coloured, so there is never a sense of repetition. The wood grain structure increases the natural effect and anti-slip properties. FOREST is a perfect imitation of wood – the terrace will now be an extension of the wooden floor in the living room. The proprietary polymercoating of the board without the addition of wood fibres ensures unprecedented durability of the colour. It also makes the board much more resistant to dirt, scratches and weather conditions.

Specifications:

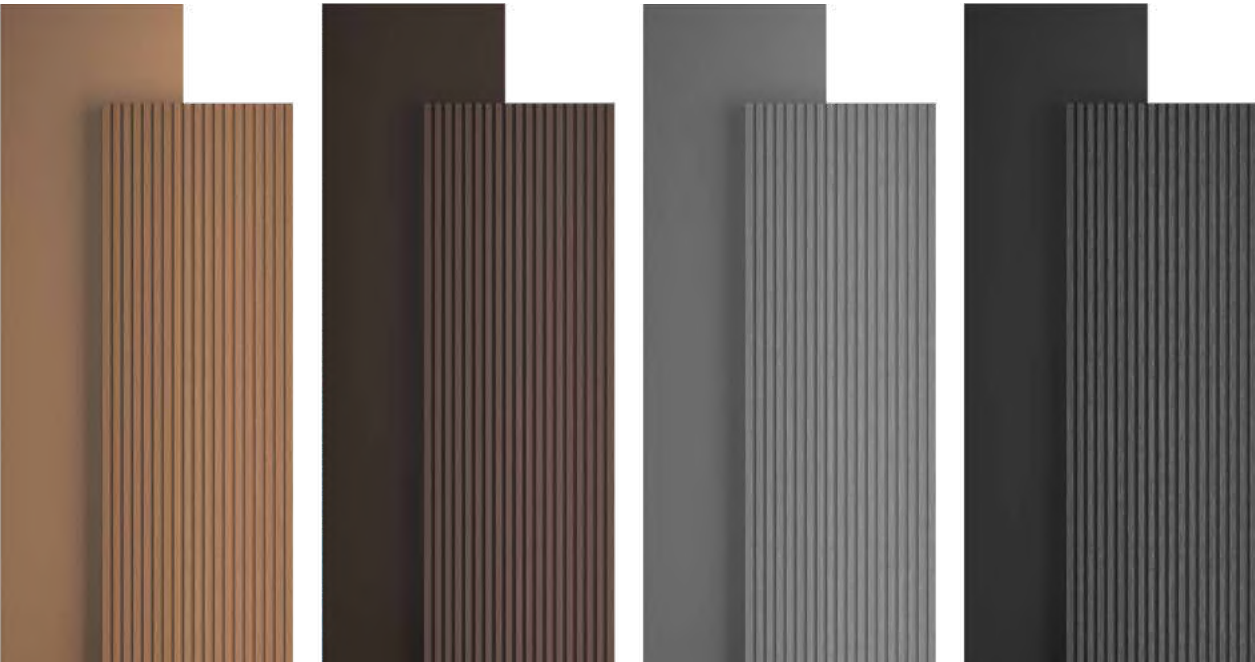
| |
|---|
| Dimensions: length: 4000 mm; width: 145 mm; height: 30 mm |
| On request, we can cut boards to the required length for your project – up to a maximum of 6500 mm. |
| Due to the specificity of the production process slight colour differences between the boards from different batches may occur. |
| The wood grain structure is given to the flat surface as standard, and to the grooved surface – only on customer's order. |
| With FOREST board choose a dedicated connector PVC FOREST for assembly of finishing strips. |



TimbernessSELECT®

Elegant simplicity

Colours:



light brown dark brown gray graphite

SELECT board is the choice for those looking for custom solutions. Its greater width gives a modern, unique look and allows the realization of original projects. It also allows the reduction of the number of necessary boards and speeds up the assembly by 24%. We also adjusted the height of the board – so that it is lower and it is possible to use it not only in the terrace, but also on the balcony. SELECT board has the classic design of the hollow core. It is manufactured from carefully selected raw materials.

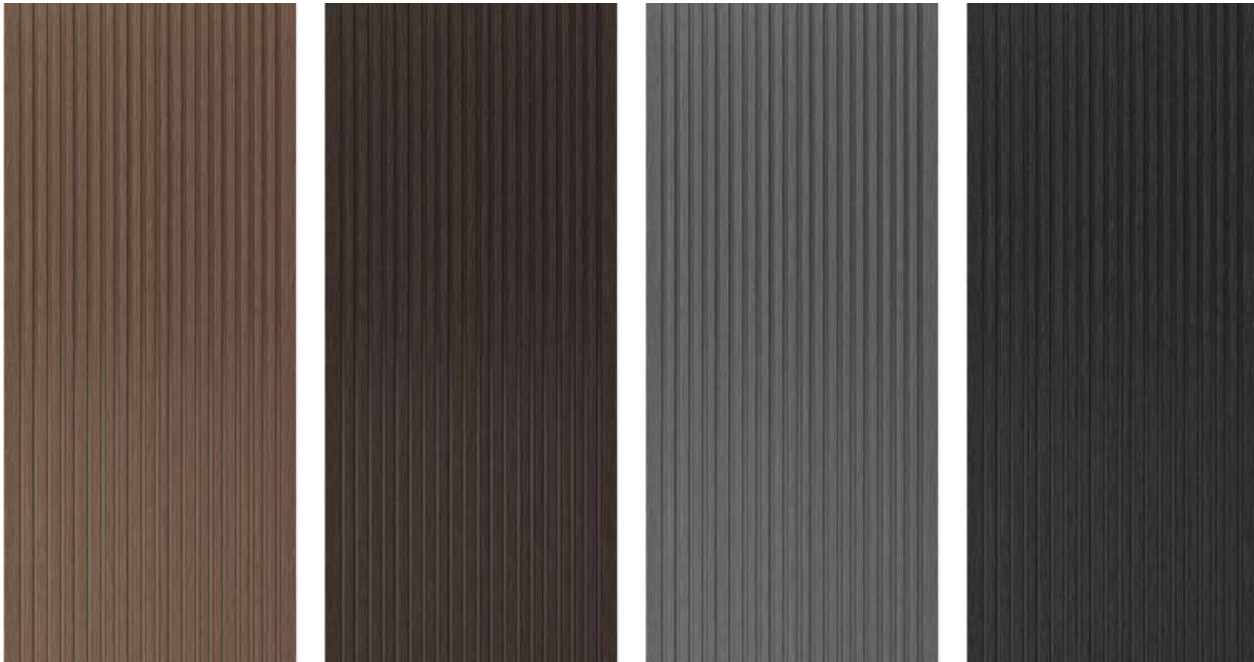
Specifications:

| |
|--|
| Dimensions: length: 4000 mm; width: 180 mm; height: 25 mm |
| On request, we can cut boards to the required length for your project – up to a maximum of 6500 mm. |
| Due to the high proportion of natural wood fiber used in manufacturing this product there is some mild variation in colour to be expected between batches. |
| Board brushed on one side. On special request, we also brush smooth surfaces. |
| With SELECT board choose a dedicated connector PVC SELECT for assembly of finishing strips. |

TimbernessCITY®

A classic in urban style

Colours:



light brown dark brown gray graphite

When designing the CITY board, we focused on maintaining the core benefits of SELECT – our most popular board to date, while making the price more affordable. The most expensive components are located in the outer layer of the board. Therefore, we used them to cover only the usable, grooved side of the profile, which did not affect its qualities, but allowed us to reduce production costs. The result is a classic, grooved and brushed terrace board that can be used in all kinds of projects, both on terraces and balconies.

Specifications:

| |
|--|
| Dimensions: length: 4000 mm or 3000 mm; width: 152 mm; height: 24 mm |
| This board is not available in the "made to measure" option. |
| Due to the high proportion of natural wood fiber used in manufacturing this product there is some mild variation in colour to be expected between batches. |
| The board has one usable side, groved and brushed. |
| With CITY board choose a dedicated connector PVC CITY for assembly of finishing strips. |

Innovative technology

Timberness hybrid board is an innovation in the market of composite boards. Thanks to the co-extrusion technology (i.e., extruding several layers at once) we obtained a rigid and durable board with a compact structure and a beautiful, durable surface.

Core

The ingredients used in its production have been chosen so as to increase the resistance of the board to high loads and water absorption. In conjunction with the hollow chamber construction it gives the same stiffness and hardness as in the case of solid boards. The structure of the board makes it 50% lighter and much more environmentally friendly. It is also less susceptible to dimensional changes under the influence of atmospheric factors.

2x higher
core strength
2x less
susceptible
to water
absorption



WPC surface

It is made of a combination of high class wood with high quality polymer and additives. Such a selection of ingredients secures weather resistance, a beautiful appearance and durable colours. The result is an elegant and aesthetic board, which unlike classic wood has no cracks or splinters. For the production of the outer layer of boards we use the highest quality supplements. These are UVA and UVB filters, antioxidants, biocides, flame retardants, pigments with high resistance to fading, calcium-zinc stabilizers and impact modifiers (which increase resistance to high loads).

What does it give us?

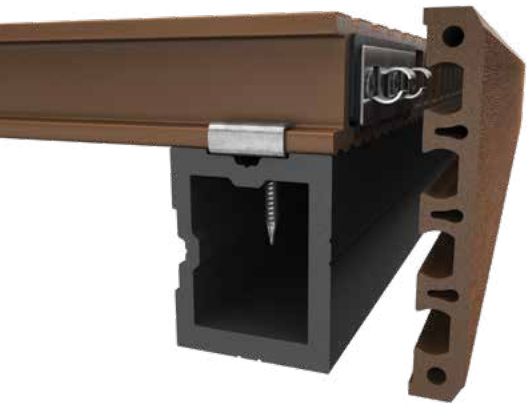
Thanks to these additions, Timberness boards are resistant to atmospheric agents, moss, fungi, insects and bacteria, high and low temperatures, they are non-flammable, do not rot, do not contain lead or other heavy metals and are less susceptible to discoloration during use. The use of such a high-quality and expensive raw material mixture for the production of standard composite WPC boards would lead to doubling the price of the finished product.

We have solved this problem.

Most of the additives contained in the inner, core part of the board have no function and are only used as an extremely expensive filler, unreasonably raising its price. Thanks to the co-extrusion technology we produce boards, to the core of which we do not add unnecessary, yet very costly ingredients. As a result, the customer receives the highest quality product, but at a reasonable price.

Innovative assembly

Our experience in the industry has enabled us to identify the common problems that occur in the case of composite boards. None of the products available on the market offer systems which ensure aesthetic installation and preserve the long-term "good as new" effect.



We thought about it.

We have created a special system that allows such a combination of boards and strip, which will be an added value of every completed project. Using a set of connectors attached to the boards and the profiled strip, it is possible to automatically join the elements without the need for using unaesthetic screws. It is, however, not the only advantage of this connection. Large temperature fluctuations in case of other systems may cause the bolted strips after some time to change their shape due to expansion or contraction of the boards. Our innovative joining of elements prevents such a phenomenon. Strips, whilst moving, adapt to the changing dimensions of a board, which prevents deformation and ensures long-lasting effect.

Our innovative connection system is awaiting the grant of a patent.



Timberness board assembly chart



The Timberness terrace system is a complete system – that is, it contains all the necessary elements, starting from boards, joists, to finishing strips and screws. Visit www.timberness.com to learn more about our terrace systems. You'll find there answers to all your questions, installation instructions and terms of warranty.

Mounting accessories

Joists

Low joist

Dimensions: width 40 mm; height 20 mm; length 4000 mm

Fit to: TimbernessSELECT, TimbernessCITY



Standard joist

Dimensions: width 50 mm or 40 mm; height 40 mm or 50 mm; length 4000 mm

The height and width of the joist may be used interchangeably.

Fit to: TimbernessSELECT, TimbernessCITY



Aluminium joist

Dimensions: width 30 mm; height 35 mm; legth 4000 mm

Joist with enhanced strength and stiffness.

Fit to: TimbernessFOREST, TimbernessSELECT, TimbernessCITY



Finishing strips

Composite finishing strip

Dimensions: width 80 mm; height 12 mm; length 4000 mm

Colours: dark brown, light brown, graphite, gray

Fit to: TimbernessSELECT, TimbernessCITY



FOREST finishing strip

Dimensions: width 80 mm; height 12 mm; length 4000 mm

Colours: massaranduba, bangkirai, garapa, palisander, patina oak

Fit to: TimbernessFOREST



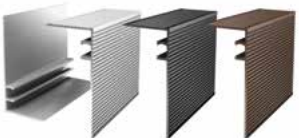
Aluminium finishing strip

Dimensions: width 42 mm; height 82 mm; length 4000 mm

Colours: silver, black, dark brown

Strengthened strip, ideal for the corners of stairs.

Fit to: TimbernessFOREST, TimbernessSELECT, TimbernessCITY



Accessories for assembly of strips

Our own solution allows the mounting of the strips without unaesthetic screws.

OMEGA siliding klip



universal clip

PVC joint – dedicated to each board



PVC joint FOREST



PVC joint SELECT/CITY

Kit for assembly of boards

- 50 mounting clips
- 4 starting clips
- set of self-tapping screws



The kits differ in the type of mounting clips.

| Mounting clip | Dilatation | Matching to the boards | | | Matching to the joists | | |
|---------------|------------|------------------------|--------|--------|------------------------|-----------------|--|
| | | City | Select | Forest | Low and standard joist | Aluminium joist | Other (from outside the Timberness system) |
| T-Clip | 5mm | | ✓ | | ✓ | ✓ | |
| T-Clip Flat | 7mm | ✓ | ✓ | | | | ✓ |
| UNI-Clip | 5mm | ✓ | ✓ | | | ✓ | |
| M-Clip | 5mm | ✓ | ✓ | | | ✓ | ✓ |
| Forest-Clip | 5mm | | | ✓ | | ✓ | |



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