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For more information, visit www.oakio.com



DESIGNED FOR LIVING
BUILT TO LAST

Manufacturer of Eco-Friendly Wood Plastic Composites Product

Wood Plastic Composite

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WHO WE ARE

Designed for living Built to last

Oakio[®] WPC products have the look and feel of traditional wood, with the added strength, durability and sustainability of a composite material

We Know WPC!

Oakio[®] WPC is backed by 15-year limited residential warranty on Iniwood Collection and 25-year limited residential warranty on Proshield, Matshield and Elashield Collection. That is how we fulfill our mission of delivering products to help you create the most enduring, durable and enjoyable outdoor living spaces. We are also proud of our continuous conservation and sustainability efforts. Oakio[®] WPC is made from up to 95 percent recycled materials, saving tens of thousands of trees each year. Oakio[®] is the industry leader in high-performance wood plastic composite building materials.



Proshield Collection



Iniwood Collection



Designed in USA



Made in China



Environmental Philosophy

Oakio® has always been at the forefront of the green building industry and since our inception in 2009, we have been consistently improving our commitments to the environment.



FSC

Forest Stewardship Council - FSC certification ensures that products come from responsibly managed forests that provide environmental, social and economic benefits. FSC products are optional, standard products are not made by FSC.



LEED

Qualified for LEED Points, up to 95% of the raw materials used to manufacture Oakio® products are sourced within 300 km of our manufacturing facility.



REACH

Oakio® products are all REACH certified which indicates conformity with health, safety and environmental protection standards for products sold within the European Economic Area.



ISO

Our ISO9001 and ISO14001 certification guarantees that our clients get only the best products and service and that the quality of what we offer is constantly and consistently improved.



CE

Oakio® products are all CE certified which indicates conformity with health, safety, and environmental protection standards for products sold within the European Economic Area.

Let's build to last

Craft your WPC products as beautiful and lasting as the memories you'll create on it.

Board-To-Board Colour Variations and touch different

At Oakio® we go to extensive lengths to make our products reflect all of the beauty and nuance of nature. Some of our collections include solid colours while others bear subtle to more pronounced highlights to closely resemble the characteristics of real wood. This intended effect is known as colour variegation. To achieve this, we use various pigments and stains to replicate the features found in traditional lumber. The degree of variegation will vary from board to board. For co extrusion products, we create different surface treatment, which includes thicker cap, soft cap, matte surface, strengthen scratch resistant and so on.

Iniwood Collection

The first generation of wood plastic composite (WPC) products. The result is a dense, heavy, and weather resistant products that won't splinter, warp, rot, or split. High quality hard wood fiber (Oak wood) and high density PE resin are the main raw material. Iniwood comes with solid colour, and apart from that, we create 3D embossing wood grain, which makes the colour variegated as well.

Proshield Collection

This is the second generation of WPC products. Designed to reflect the true tones of natural wood, this is our most uniquely variegated line which includes cascading colours. The artisanal, hand-scraped texture has a refined appearance matched with the most advanced design technology available.

Elashield Collection

Elashield is known to elastic surface, the 3rd generation of composite decking. This distinctive, contemporary design brings the hardwood look of a home's inside to the outside. It is perfect for your swimming pool decking! Anti-static treatment is available for Elashield decking! An anti-static decking contains a conductive material that accumulates static.

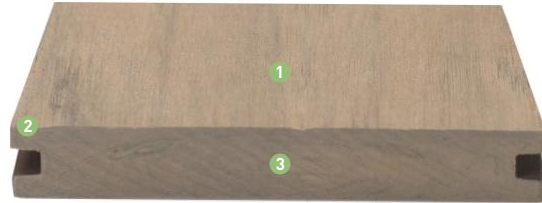
Matshield Collection

Matshield is the brand new technology that brings you matte surface of outdoor decking. What is more, it is fire resistant product, which stands out from the crowd. It is fire resistant to Class B according to En13501, the highest fire resistant level for composite materials in the world at the moment. The standard includes seven classification levels, from A1 to F, with A1 representing the highest level of performance and F representing the lowest level.

What is the difference?

Iniwood

- ① **No cap protected**
available in 3D wood grain with variegated colour
- ② **All in same colour**
All the boards are in the same, so you will see the same colour in each section
- ③ **Strengthened core material**
High quality hard wood fiber (Oak wood) and high density PE resin were used



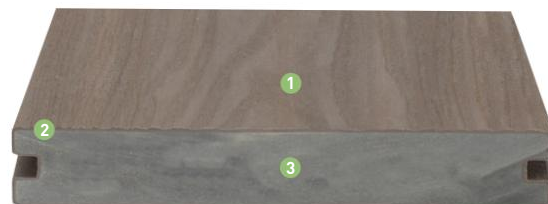
Proshield

- ① **Capped by golf ball material**
0.5-0.8mm capped, available for 12 variegated colours
- ② **4 sided capped board**
Protects completely against moisture, mildew, and rot. Backside is protected
- ③ **Strengthened core material**
High quality hard wood fiber (Oak wood) and high density PE resin were used.



Matshield

- ① **Capped by matte engineering plastic**
0.5-0.8mm capped, matte surface and real wood colour. It is fire resistant!
- ② **4 sided capped board**
Protects completely against moisture, mildew, and rot. Backside is protected
- ③ **Strengthened core material**
High quality hard wood fiber (Oak wood) and high density PE resin were used.



Elashield

- ① **Capped by thick and soft engineering plastic**
Up to 2mm capped, the surface is elastic and ultra slip resistant
- ② **4 sided capped board**
Protects completely against moisture, mildew, and rot. Backside is protected
- ③ **Strengthened core material**
High quality hard wood fiber (Oak wood) and high density PE resin were used.



Oakio® WPC products is extremely dimensionally stable but planks will experience expansion and contraction with changes in temperature.

Expansion and contraction are most significant where extreme temperature changes occur.

Changes in length are most significant during the installation process, and should be taken into account if working in extreme temperatures.

	Iniwood collection	Proshield collection	Matshield collection	Elashield collection
Application	Decking, Fence, Railing, Cladding	Decking, Fence, Railing, Cladding	Decking	Decking
Slip resistant	★★★★★	★★★★★	★★★★★	★★★★★★
Stain resistant	★★★☆☆	★★★★★★	★★★★★★	★★★★★★
Mold resistant	★★★☆☆	★★★★★★	★★★★★★	★★★★★★
Scratch resistant	★★★★☆☆	★★★★★☆☆	★★★★★★	★★★☆☆☆☆
UV resistant	★★★☆☆	★★★★★★	★★★★★★	★★★★★★
Static electricity resistant	—	—	—	✓
Sound absorption	—	—	—	✓
Water proof	★★★★☆☆	★★★★★★	★★★★★★	★★★★★★
Fire resistant	Optional	Optional	Highest FR level of WPC. Custom made only: En13501 result in Bfl-S1-D0	—
Warranty	15-year residential	25-year residential	25-year residential	25-year residential
Prices	★★★★☆☆	★★★★★☆☆	★★★★★★	★★★★★★

Iniwood Collection



Oakio® Iniwood round hollow decking in plateau colour



Iniwood Collection

Iniwood products are made with a durable composite that stands up to extreme weather conditions and everyday use. More solid under foot for added safety. The composition of Iniwood is 35% of resin, 55% of oak wood fiber and 10% of additive.

- Never have to be sealed, stained or painted
- Weather-resistant and outperform wood alternatives
- With no need to maintain or replace
- Splinters free and crack resistant
- No issues with warping
- 15 years residential warranty



Iniwood decking profile options

Oakio provides wide range of decking, from hollow to solid, from residential to commercial. What kind of decking do you like?

Profile Choices



IPD01



Size: 147x21 mm
Joist span: 300 mm
Application: Residential use



IPD02



Size: 143x22 mm
Joist span: 350 mm
Application: Residential use



IPD03



Size: 140x20 mm
Joist span: 400 mm
Application: Commercial use



IPD05



Size: 140x25 mm
Joist span: 300 mm
Application: Residential use



IPD07



Size: 145x24 mm
Joist span: 350 mm
Application: Residential use



IPD85



Size: 140x23 mm
Joist span: 350 mm
Application: Commercial use

Add-in Options

The above profiles, colours and textures are our standard ones, while Oakio provides fully customization, contact Oakio for more at www.oakio.com.

Iniwood decking colour and finisher options

These wood composite collections combine beauty and function. What kind of finishers and colour do you like?

Colour Choices

Solid colour: A single colour without discrete markings



Glacier

Code: IC01



Dune

Code: IC02



Cliff

Code: IC03



Mist

Code: IC04



Canyon

Code: IC05



Plateau

Code: IC06

Variegated colour: Discrete markings of different colours



Smoke White

Code: ICV01



Sunglow

Code: ICV05



Lava

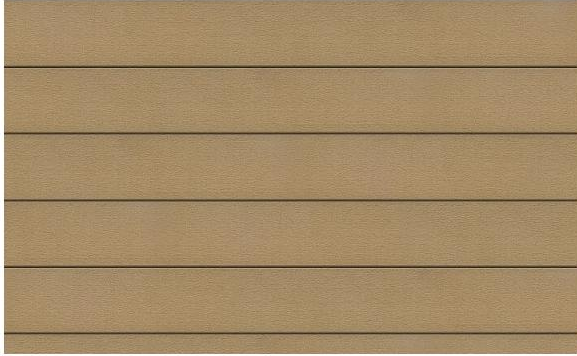
Code: ICV09

Elegant wood looks in 9 stunning colours are available. Mother nature has an incredibly diverse colour palette so we went to great lengths to make sure our colours really reflect the world around us. A courtyard with Iniwood can create a polished, high-performance outdoor living space that elevates the overall look of your home.

Magnificently durable Iniwood Textures

Iniwood in its aesthetics and resilient in its wear, Iniwood is available in a variety of different finish option that incorporate Iniwood wood grain textures and mimic the look and feel of exotic hardwoods. These beautifully natural textures offer effortless cleaning, complete ease of maintenance and the most advanced moisture, fade resistance technology available today.

Texture Options



IW01



IW02



IWV01



IWV02



IWV03



IWV04

Proshield Collection

Oakio® Proshield circle hollow decking in westminster colour



Proshield Collection

The second generation of wood plastic composite (WPC), made by co extrusion. This value-added feature ensures our boards are in perfect condition when they arrive on-site.

The cap is actually the same material of golf ball, the core are Iniwood materials. That is why Proshield is the second generation of Iniwood.

More of the co extrusion decking in the market is made by PE for the cap only, which is not as stable as Proshield cap.

- All the advantages of Iniwood and more
- Features a variety of unique variegated colour and wood grain patterns
- Ultra durable
- No stains, fades, mold or mildew
- Increased scratch resistance
- 25 years residential warranty



Extremely Durable

Traditional wood decking will be affected by insects and mold inevitably after long-term usage. Never will it happen on Oakio® Proshield decking because we create a shield with golf ball material around core to protect the decking from UV, scratching and termite.

The shield and core are extruded together under a very high temperature mould simultaneously, so there are no adhesives or chemicals that will do harm to the environment. Oakio® can accompany you to create perfect outdoor stories with long service time and comes with a 25-year warranty.



Proshield decking profile options

Oakio provides wide range of decking, from hollow to solid, from residential to commercial. What kind of decking do you like?

Profile Choices



PPD01



Size: 143x22.5 mm
Joist span: 350 mm
Application: Residential use



PPD02



Size: 140x22.5 mm
Joist span: 350 mm
Application: Residential use



PPD03



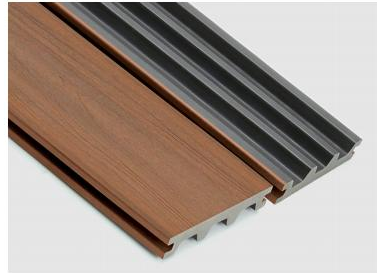
Size: 143x21.5 mm
Joist span: 400 mm
Application: Commercial use



PPD04



Size: 138x22.5 mm
Joist span: 350 mm
Application: Residential use



PPD25



Size: 140x23 mm
Joist span: 350 mm
Application: Commercial use



PPD28



Size: 190x20 mm
Joist span: 400 mm
Application: Commercial use

*Note: Due to the unique manufacturing process of **PPD25**, slight warping may occur after the production. However, since we utilize T-shaped clips for the installation of **PPD25**, the warping will be counteracted. Slight warping in **PPD25** does not affect its practical application.

We have wrapped the exterior with our golf coating, which allows us to emboss both sides differently so that consumers can really determine their own aesthetic. When you scrutinize the surface of Proshield decking, you will find some tiny softened splinters on it. That's how we went to great lengths to make sure our colours and texture really reflect the beauty and essence of organic matter.

Proshield decking colour and finisher choices

These wood composite collections combine beauty and function. What kind of finishers and colour do you like?

Colour Choices



Parthenon

Code: PC01



Angkor

Code: PC02



Petra

Code: PC03



Westminster

Code: PC04



Black Beach

Code: PC05



Chichen Itza

Code: PC06



Taj Mahal

Code: PC07



Lake Baikal

Code: PC08



Colosseum

Code: PC09



Pyramids

Code: PC10



Potala Palace

Code: PC12



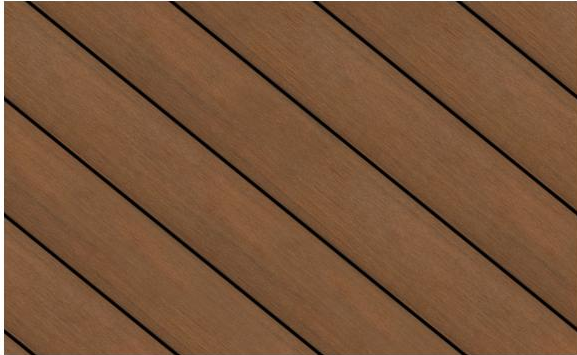
Casa Batllo

Code: PC20

Magnificently durable Proshield Textures

Proshield in its aesthetics and resilient in its wear, available in a variety of different texture options that incorporate Proshield wood grain textures and mimic the look and feel of exotic hardwoods. These beautifully natural textures offer effortless cleaning, complete ease-of-maintenance and the most advanced moisture, fade resistance technology available today. What is more, anti-microbial properties make all surfaces germ resistant and hygienic, plus their slip resistance make them barefoot friendly and safe for the whole family.

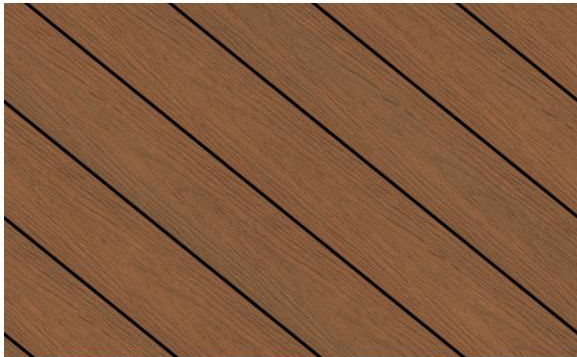
Texture Options



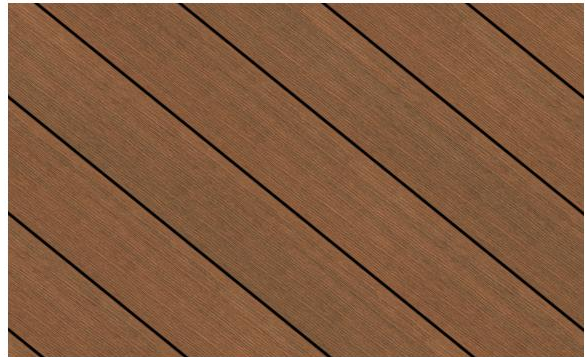
PW01



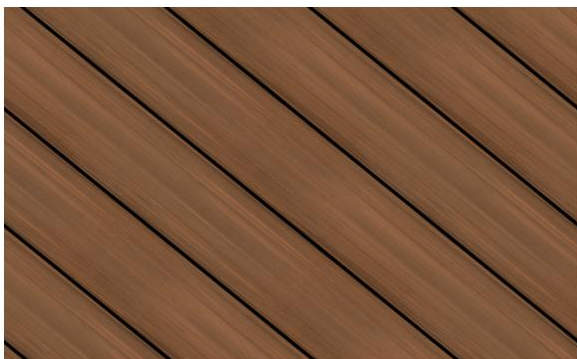
PW03



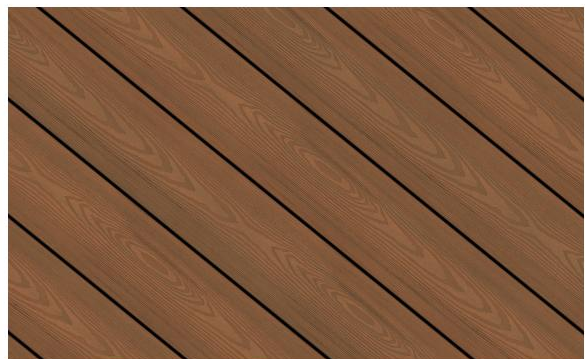
PW04



PW05



PW06



PW07



Oakio® Proshield circle hollow decking in Westminster colour



Oakio® Proshield circle hollow decking in Parthenon colour



Oakio® Proshield solid decking in Petra colour

Matshield Collection

Oakio® Matshield circle hollow decking in Walnut colour





Matshield Collection

Matshield is the brand new technology that brings you matte surface of outdoor decking. What is more, it is fire resistant product, which stands out from the crowd. As a result, Matshield achieves superior fire resistance to any other co-extruded decking on the market.

It is fire resistant to Class B according to En13501, the highest fire resistant level for composite materials in the world at the moment. The standard includes seven classification levels, from A1 to F, with A1 representing the highest level of performance and F representing the lowest level.

Matshield achieves Class B. It is colour fade resistant, strength load resistant, stain resistant and also highly slip resistant.

- All the advantages of Iniwood and more
- Fire resistant to Class B according to Europe standard
- Ultra scratch resistant
- Matte surface with luxury hard wood appearance
- No stains, fades, mold or mildew
- 25 years residential warranty



Most Fire-resistant

Fire-resistance level of Matshield decking reaches Class Bfl-S1-D0 according to European standard EN13501, the fire test to building material. Class B is the highest level wood plastic composite decking can reach. Environmentally friendly fire retardant is carefully selected and added while the shield and core are extruded together.

▼ Combustion Test



▼ The flame goes out when the musket is stopped.

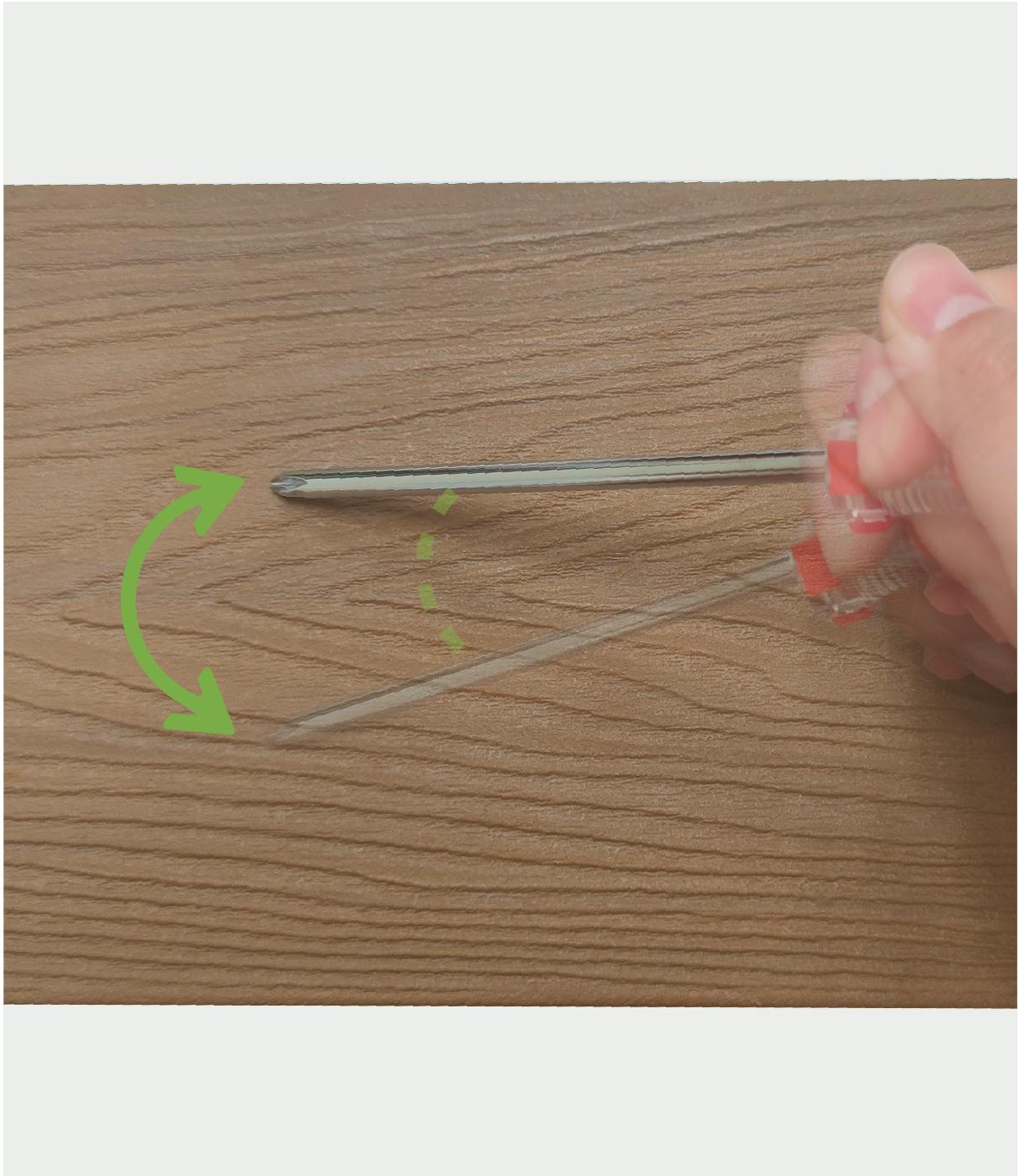


▼ The flame is automatically extinguished within 2 seconds on Matshield decking.



Extremely Scratch-resistant

High performance in scratch resistance, Matshield decking is much harder than any other decking on the market to prevent scratch, no burden on regular maintenance.



Matshield decking profile and colour options

Matshield is inspired by the exquisite Colours found in nature. A remarkable range of shades, tones and textures can complement any living space.

Profile Choices



MPD01



Size: 140x22 mm
Joist span: 400 mm
Application: Commercial use



MPD02



Size: 139x23 mm
Joist span: 350 mm
Application: Residential use

Colour Choices



Pomegranate

Code: MC01



Walnut

Code: MC02



Panther

Code: MC03



Whale

Code: MC04



Goral

Code: MC05



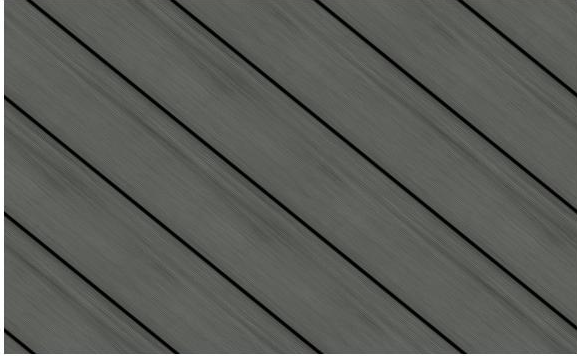
Cinnamon

Code: MC06

Matshield decking texture options

These beautifully natural textures offer effortless cleaning, complete ease-of-maintenance and the most advanced moisture, fade resistance technology available today. What is more, anti-microbial properties make all surfaces germ resistant and hygienic, plus their slip resistance make them barefoot friendly and safe for the whole family.

Texture Options



MW01



MW02

Add-in Options

The above profiles, colours and textures are our standard ones, while Oakio provides fully customization, contact Oakio for more at www.oakio.com.



Oakio® Matshield circle hollow decking in Panther colour

Elashield Collection



Oakio® Elashield circle hollow decking in Plum Wine colour



Elashield Collection

Elashield technology is the 3rd generation of wood plastic composite (WPC). We are the only in the world who makes this type of products. It is excellent for swimming pool decking.

Elashield is known to elastic surface, the 3rd generation of composite decking. This distinctive, contemporary design brings the hardwood look of a home's inside to the outside.

Anti-static treatment is available for Elashield decking! An anti-static decking contains a conductive material that accumulates static. They are particularly useful if the decking was installed in the dry area during the winter.

- All the advantages of Iniwood and more
- No stains, fades, mold or mildew
- Soft surface, slip resistant and optimizes foot touching
- A mute deck material - Thick cap protection
- Anti-static available
- 25 years residential warranty



Much Thicker Cap Protection

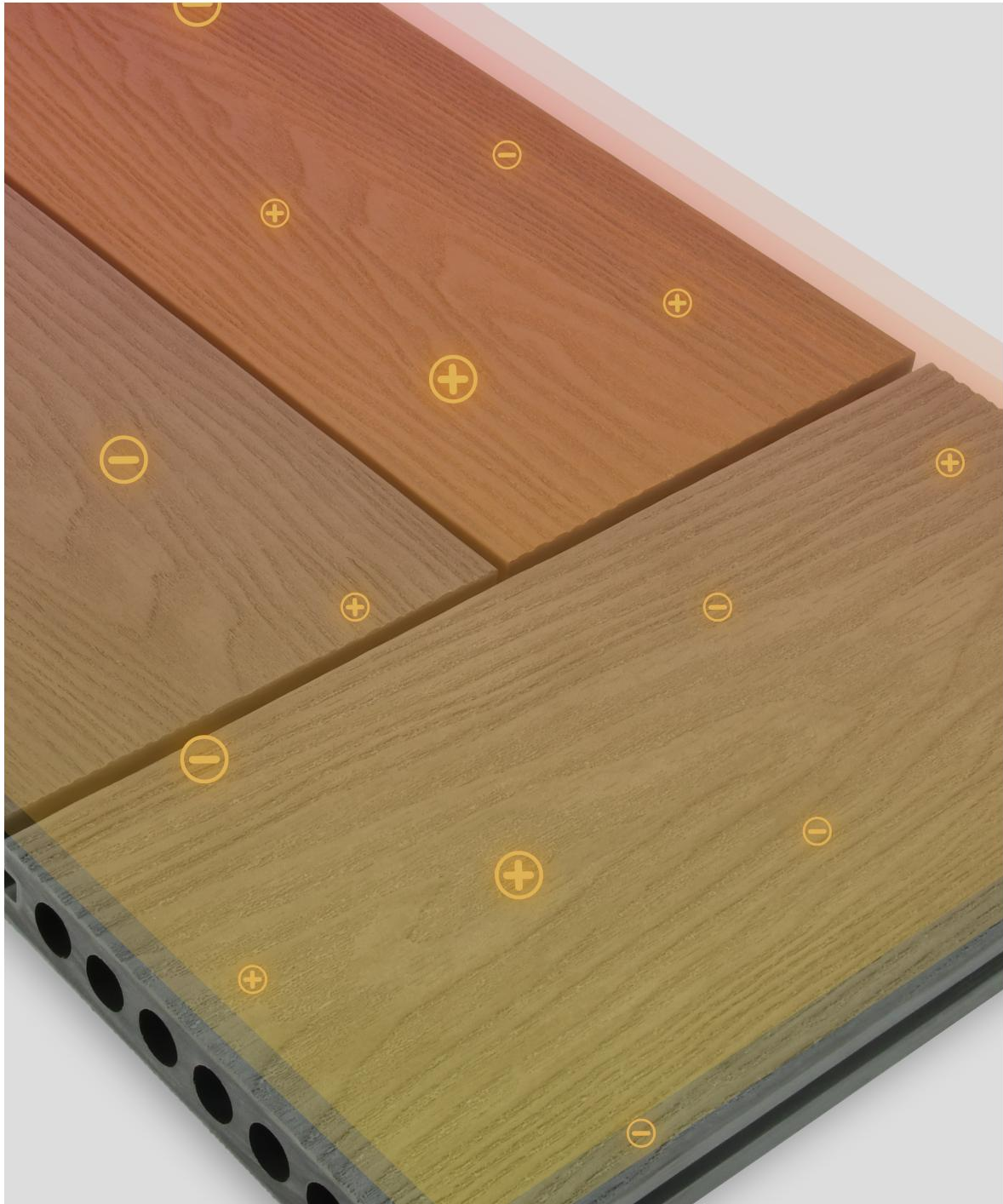
The 1.5-2mm 360° co-extrusion layer makes the decking surface softer with noise reduction function and slip-resistance, so it is the best choice for swimming pool and corridor. You can find serenity in your surrounding with Oakio® Elashield decking.



Optional Anti-static Treatment

Anti-static treatment is available for Elashield decking by adding conductive materials that can collect static electricity in production process. These materials have met European standards and are completely harmless to human body. This is particularly useful in dry area during winter.

We have created a product that's durable and versatile. It takes every preconceived notion you have about composite decking and blows it out of the water.



Elashield decking profile and colour options

Elashield is inspired by the exquisite Colours found in nature. A remarkable range of shades, tones and textures can complement any living space.

Profile Choices



EPD03



Size: 140x23 mm
Joist span: 400 mm
Application: Commercial use



EPD04



Size: 140x23 mm
Joist span: 400 mm
Application: Residential use



EPD06



Size: 145x21 mm
Joist span: 350 mm
Application: Residential use

Colour Choices



Mint Julep

Code: EC01



Vermouth

Code: EC02



Sangria

Code: EC03



Pina Colada

Code: EC04



Vodka

Code: EC05



Plum Wine

Code: EC06

Elashield decking color and texture options

Elashield is inspired by the exquisite colors found in nature. A remarkable range of shades, tones and textures can complement any living space.

Texture Options



EW01



EW02

Add-in Options

The above profiles, colours and textures are our standard ones, while Oakio provides fully customization, contact Oakio for more at www.oakio.com.



Oakio® Elashield solid decking in Plum Wine colour

CLIPS

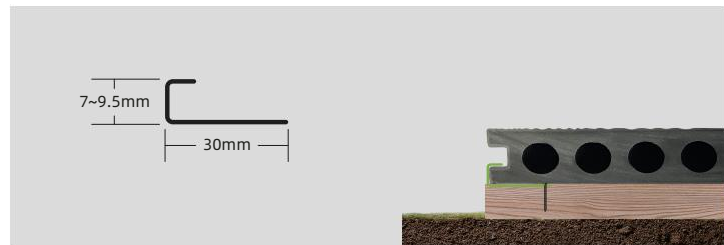
Oakio® decking is designed for professionals and also perfect for novices. Oakio® clip system enables simplified installation of your deck boards.

Fixing Methods

STARTER CLIPS



Code: AS04



* Material: Stainless steel 304

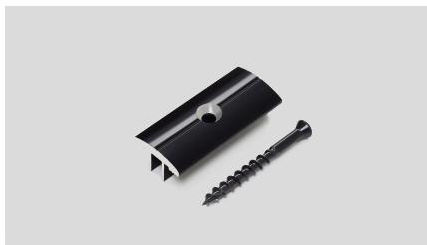
Expansion clips



Code: AS01



* Material: Stainless steel 304



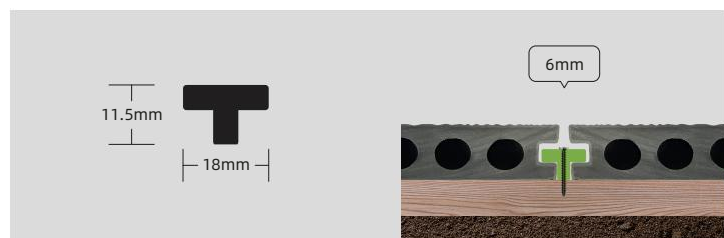
Code: AS07



* Material: Aluminum



Code: AS10

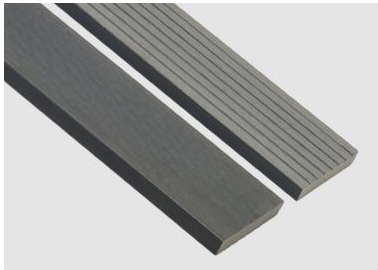


* Material: Plastic

Fascia & Joist

Oakio® decking is designed for professionals and also perfect for novices. Oakio® clip system enables simplified installation of your deck boards.

Fixing Methods



Iniwood Fascia

Code: IPF01
Size: 71x11 mm



Iniwood Fascia

Code: IPF02
Size: 140x11 mm



Iniwood Fascia

Code: IPF15
Size: 65x65 mm



Proshield Fascia

Code: PPF01
Size: 71x11 mm



Proshield Fascia

Code: PPF02
Size: 140x11 mm



Proshield Fascia

Code: PPF03
Size: 50x50 mm



Elashield Fascia

Code: EPF01
Size: 71x11 mm



Matshield Fascia

Code: MPF01
Size: 71x11 mm



Aluminum Joist

Code: AJ17
Size: 30x40 mm

Pedestal



Oakio® Proshield circle hollow decking in westminster colour

Pedestal

Oakio® adjustable support pads are designed for decking and paving areas where very high clearance from the ground is required, or where minor changes to the final height is needed. Adjustable support pads are easy to use and are the best way to ensure a top quality finish on roofs, balconies and terraces.

Height Choices



* The height of the pedestal ranges from **150 mm to 1420 mm.**

