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DESIGNED FOR LIVING
BUILT TO LAST

Manufacturer of Eco- Friendly Wood Plastic Composites Product



Wood Plastic Composite

Table of Contents

Discover More

02-06 Who We Are
07-10 Collection

Products

11-18 Iniwood Decking
19-28 Proshield Decking
29-36 Matshield Decking
37-44 Elashield Decking
45-54 Orionwood Decking
55-56 Clips and Fascia & Joist
57-58 Pedestal

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 composite materials

We Know WPC!

Oakio® WPC is backed by a 15-year limited residential warranty for the Iniwood Collection, a 20-year warranty for the Orionwood Collection, and a 25-year warranty for the Proshield, Matshield and Elashield Collections. This reflects our commitment to creating outdoor living products that are built to last.

Made with up to 95% recycled materials, Oakio® WPC helps save tens of thousands of trees every year while supporting a more sustainable future. Oakio® is the industry leader in high-performance wood plastic composite building materials.



Proshield & Matshield & Elashield Collection



Orionwood 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.



Oakio® Proshield circle hollow decking in westminster colour

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 great lengths to capture the beauty and nuances of natural wood in our WPC collections. Some ranges feature solid colours, while others showcase subtle to pronounced highlights, known as colour variegation, to mimic real wood. We achieve this by blending various pigments and stains. The degree variegation varies from board to board. For our co-extruded products, we offer a variety of surface treatments—thicker cap, soft cap, matte texture, and enhanced scratch resistance, to deliver both style and performance.

55%
Oak wood fibre

35%
HDPE Resin

10%
Additive



Iniwood Collection

The 1st generation Oakio WPC (wood-plastic composite) products. It is a dense, heavy, and weather-resistant decking that won't splinter, warp, rot, or crack. Crafted from premium hardwood fiber (Oak wood) and high-density polyethylene resin, Iniwood is available in solid colours and features 3D-embossed wood grain for natural colour variegation.

Proshield Collection

This is the 2nd generation of Oakio WPC products. Designed to reflect the rich tones of real wood, this collection features our most vibrant colour variations with cascading hues. The hand-scraped texture adds a refined finish, enhanced by advanced design technology for authentic wood-like appearance.

Elashield Collection

Elashield, the 3rd generation of Oakio WPC decking, is known for its elastic surface and modern aesthetics. It brings the warm, natural look of indoor hardwood flooring to outdoor spaces—perfect for poolside areas and patios. Elashield also offers anti-static treatment, using conductive materials to help reduce static buildup for added comfort and safety.

Matshield Collection

Matshield is an innovative technology that delivers a matte surface for outdoor decking. It is a fire-resistant product that stands out in the WPC market. Certified to Class B under the EN13501 standard—the highest fire rating currently achievable for composite materials—Matshield offers enhanced safety without compromising on style. The EN13501 standard includes seven levels of classification, from A1 (non-combustible) to F (least resistant), with Class B representing excellent fire performance among composites.

Orionwood Collection

Orionwood is Oakio's latest WPC decking collection, developed to bridge the gap between the Iniwood and Proshield collections. It expands the Oakio decking portfolio with an additional decking option for a wider range of project requirements and budgets, featuring a thicker co-extruded protective cap and a refined material formulation.

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.



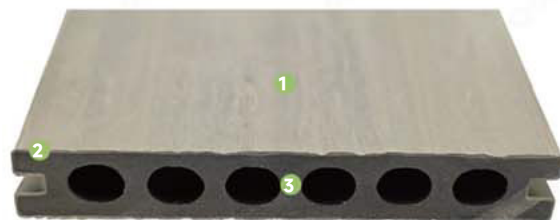
Elashield

- 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.



Orionwood

- 1 Thicker co-extruded protective cap**
1.2-1.5 mm cap, available in 8 colours.
- 2 4 sided capped board**
Protects completely against moisture, mildew and rot. Backside is protected.
- 3 Refined core material**
Optimized material formulation enhances the overall board structure.



What is the difference?

	Application	Slip resistant	Stain resistant	Mold resistant	Scratch resistant	UV resistant
Iniwood collection	Decking Fence Railing	★★★★★ ★★★☆☆	★★★★★ ★★★★★	★★★★★ ★★★★★	★★★★★ ★★★★★	★★★★★ ★★★★★
Proshield collection	Decking Fence Railing	★★★★★ ★★★★★	★★★★★ ★★★★★	★★★★★ ★★★★★	★★★★★ ★★★★★	★★★★★ ★★★★★
Matshield collection	Decking	★★★★★ ★★★★★	★★★★★ ★★★★★	★★★★★ ★★★★★	★★★★★ ★★★★★	★★★★★ ★★★★★
Elashield collection	Decking	★★★★★ ★★★★★	★★★★★ ★★★★★	★★★★★ ★★★★★	★★★★★ ★★★★★	★★★★★ ★★★★★
Orionwood collection	Decking	★★★★★ ★★★★★	★★★★★ ★★★★★	★★★★★ ★★★★★	★★★★★ ★★★★★	★★★★★ ★★★★★

Oakio® WPC products are extremely dimensionally stable. However 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.

Sound absorption	Water proof	Fire resistant	Warranty	Prices
—	★★★★★ ★★★★★	Optional	15-year residential	★★★★★ ★★★★★
—	★★★★★ ★★★★★	Optional	25-year residential	★★★★★ ★★★★★
—	★★★★★ ★★★★★	Highest FR level of WPC. Custom made only: En13501 result in Bfl-S1-D0	25-year residential	★★★★★ ★★★★★
✓	★★★★★ ★★★★★	—	25-year residential	★★★★★ ★★★★★
—	★★★★★ ★★★★★	Optional	20-year residential	★★★★★ ★★★★★

Iniwood Collection



Oakio® Iniwood circle hollow decking in plateau colour

Iniwood Collection

Iniwood is crafted from a durable wood-plastic composite that withstands harsh weather and everyday wear. Its solid construction provides a sturdy, secure feel underfoot. It consists of 55% oak wood fiber, 35% resin, and 10% additives.

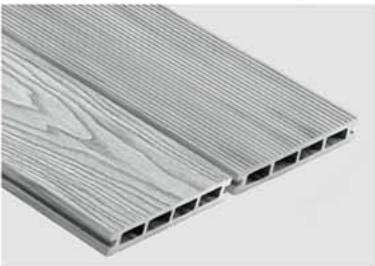
- No sealing, staining, or painting required
- Resistant to weather, fading, and warping
- No need for frequent repairs or replacement
- Splinter-free and crack-resistant
- Outperform wood alternatives
- 15-year residential warranty



Iniwood Decking Profile Options

Oakio offers a wide range of decking—from hollow to solid profiles, and from residential to commercial projects. 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 profiles, colours, and textures shown above are our standard options. Oakio also offers full customization, contact us for more at www.oakio.com.

Iniwood Decking Colour and Finish Options

These wood plastic composite collections combine beauty and function. What kind of finish 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 above are available in 9 stunning colours. Inspired by nature’s rich colour palette, Oakio captures the authentic beauty of the outdoors. Iniwood decking transforms courtyards into polished, high-performance living spaces—elevating the style and comfort of your home.

Magnificently Durable Iniwood Textures

Iniwood features a range of wood grain finishes that mimic the look and feel of exotic hardwoods. Easy to clean, low-maintenance, and built with advanced moisture and fade resistance for long-lasting durability.

Texture Options



Code: IW01 | Sanding surface | 942mm Repeat



Code: IW02 | Light Embossing | 942mm Repeat



Code: I WV01 | 3D Embossing | 942mm Repeat



Code: I WV02 | 3D Embossing | 942mm Repeat



Code: IWV03 | 3D Embossing | 942mm Repeat



Code: IWV04 | 3D Embossing | 1256mm Repeat

Add-in Options

The profiles, colours, and textures shown above are our standard options. Oakio also offers full customization, contact us for more at www.oakio.com.



Oakio® Iniwood circle hollow decking in smoke white colour

Proshield Collection



Oakio® Proshield circle hollow decking in westminster colour

Proshield Collection

The 2nd 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
 - A variety of unique variegated Colours and wood grain finishes
 - Ultra-durable performance
- Resists stains, fading, mold, and mildew
 - Enhanced scratch resistance
 - 25-year residential warranty



Extremely Durable

Unlike traditional wood decking that's vulnerable to insects and mold over time, Oakio® Proshield features a durable outer layer made from golf ball cover material, protecting the core from UV, scratches, and termites.

This shield is co-extruded with the core at high temperatures without any harmful adhesives or chemicals, ensuring long-term performance, environmental safety and a 25-year residential warranty.



Proshield Decking Profile Options

Oakio offers a wide range of decking—from hollow to solid profiles, and from residential to commercial projects. 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: **PPD25's** unique manufacturing can casue slight warping. Yet, owing to our T-shaped installation clips, any warping will be corrected. Slight warping in **PPD25** does not affect its practical application.

Each board is wrapped in our durable golf-cover coating and embossed differently on both sides, giving you two distinct finishes for true design flexibility. Take a close look at the ProShield surface and you will notice the softened splinters. This intentional detail captures the authentic texture and colour depth of real wood.

Proshield Decking Colour and Finish Choices

These wood plastic composite collections combine beauty and function. What kind of finish 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 features a range of wood grain finishes that mimic the look and feel of exotic hardwoods. Easy to clean, low-maintenance, and built with advanced moisture and fade resistance for long-lasting durability.

Plus, built-in antimicrobial protection keeps every surface hygienic and germ-resistant, while excellent slip resistance makes Proshield barefoot-friendly and safe for the whole family.

Texture Options



Code: PW01 | Sanding surface | 942mm Repeat



Code: PW03 | 3D Embossing | 942mm Repeat



Code: PW04 | 3D Embossing | 942mm Repeat



Code: PW05 | 3D Embossing | 942mm Repeat



Code: PW06 | 3D Embossing | 942mm Repeat



Code: PW07 | 3D Embossing | 942mm Repeat



Code: PW09 | 3D Embossing | 942mm Repeat



Code: PW10 | 3D Embossing | 942mm Repeat

Proshield Collection



Oakio® Proshield circle hollow decking in parthenon colour

Matshield Collection

Oakio® Matshield circle hollow decking in cinnamon colour



Matshield Collection

Matshield is our latest innovation featuring a sleek matte finish for outdoor decking. Its exceptional fire resistance makes it a standout in the WPC market.

Matshield is certified to Class B under the European EN13501 standard—the highest fire rating currently achievable for composite materials—offering enhanced safety without compromising on style. The EN13501 standard includes seven levels of classification, from A1 (non-combustible) to F (least resistant), with Class B representing excellent fire performance among composites.

Apart from its Class B certification, Matshield also offers excellent resistance to fading, heavy loads, stains, and slips—making it a durable and reliable choice for outdoor decking.

- All the advantages of Iniwood and more
- Fire resistance to Class B under European EN 13501 standards
- Ultra scratch-resistant
- Matte surface with a luxurious hardwood appearance
- Resistant to stains, fading, mold, and mildew
- 25-year residential warranty



Excellent Fire-resistant Performance

Matshield decking is rated Class Bfl-S1-D0 under EN 13501, the European fire standard for building materials—the highest rating achievable for wood-plastic composites. An eco-friendly fire retardant is carefully blended into both the shield and core during co-extrusion for lasting safety.

▼ Combustion Test



▼ Flame out after ignition source removal.

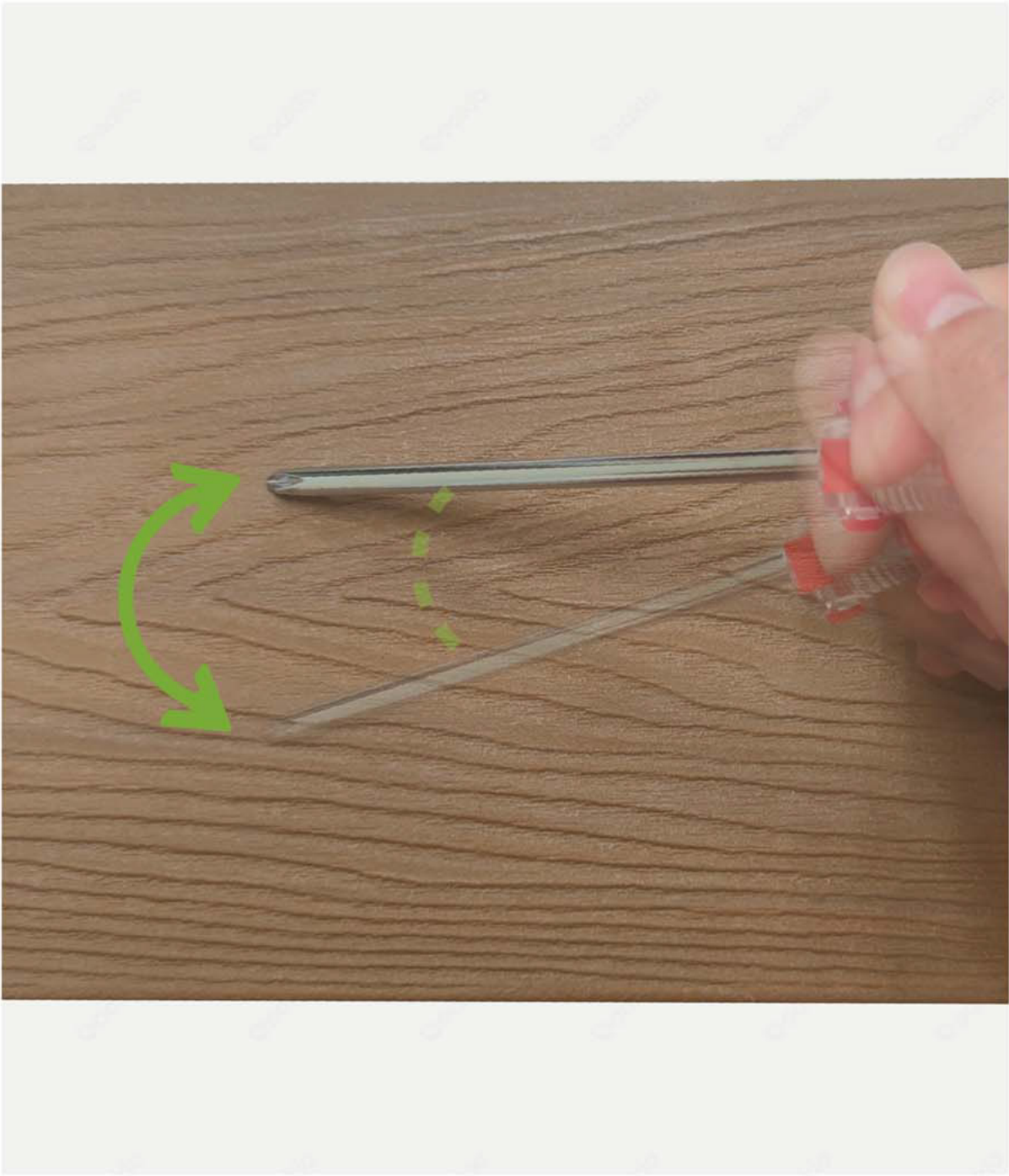


▼ Matshield decking self-extinguishes flame within 2 seconds.



Extremely Scratch-resistant

Matshield has a harder surface than most decking in the market, offering superior scratch resistance with minimal maintenance.



Matshield Decking Profile and Colour Options

Inspired by nature's palette, Matshield delivers an exquisite array of shades, tones, and textures to elevate 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 and require minimal maintenance, while being built with advanced moisture and fade resistance for long-lasting durability.

Plus, built-in antimicrobial protection keeps every surface hygienic and germ-resistant, while excellent slip resistance makes Matshield barefoot-friendly and safe for the whole family.

Texture Options



Code: MW01 | 3D Embossing | 942mm Repeat



Code: MW02 | 3D Embossing | 942mm Repeat

Add-in Options

The profiles, colours, and textures shown above are our standard options. Oakio also offers full customization, contact us for more at www.oakio.com.



Oakio® Matshield circle hollow decking in cinnamon colour



Oakio® Matshield circle hollow decking in pomegranate colour

Elashield Collection



Oakio® Elashield circle hollow decking in mint julep colour

Elashield Collection

Elashield is the 3rd generation of Oakio WPC products, featuring an elastic surface that delivers a softer, more comfortable feel underfoot.

Its 1.5–2 mm thick co-extruded cap provides enhanced protection against stains, fading, mold and mildew, while contributing to improved durability and noise reduction.

Combining comfort, protection and modern aesthetics, Elashield features a slip-resistant surface that makes it particularly well suited to poolside areas, patios and other outdoor living spaces.

- All the advantages of Iniwood and more
- Soft, slip-resistant surface for underfoot comfort
- Anti-static treatment
- Resistant to stains, fading, mold, and mildew
- Thicker cap for noise reduction and enhanced durability
- 25-year residential warranty



Enhanced Cap Protection

A 1.5-2 mm, 360° co-extruded cap layer creates a softer, quieter, and slip-resistant surface. This makes Oakio® Elashield decking the perfect choice for pool decks and corridors. Enjoy serenity underfoot with comfort and safety.



Elashield Decking Profile and Colour Options

Inspired by nature’s palette, Elashield delivers an exquisite array of shades, tones, and textures to elevate 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: Commercial 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 Colour and Texture Options

Inspired by nature’s palette, Elashield delivers an exquisite array of shades, tones, and textures to elevate any living space.

Texture Options



Code: EW01 | 3D Embossing | 942mm Repeat



Code: EW02 | 3D Embossing | 942mm Repeat

Add-in Options

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Elashield Collection



Oakio® Elashield solid decking in plum wine colour

Orionwood Collection

Oakio® Orionwood circle hollow decking in sunstone colour



Orionwood Collection

Orionwood is Oakio's new WPC decking collection.

Offering a higher level of protection than Iniwood at a more accessible price point than Proshield, Orionwood fills the gap between the two collections.

It expands Oakio's decking portfolio with a well-balanced solution for customers seeking the right mix of performance, value and affordability.

- Thicker co-extruded protective cap
- A variety of natural colours and wood grain finishes
- 20-year residential warranty
- Resistant to stains, fading, mold and mildew
- Enhanced protection at an accessible price



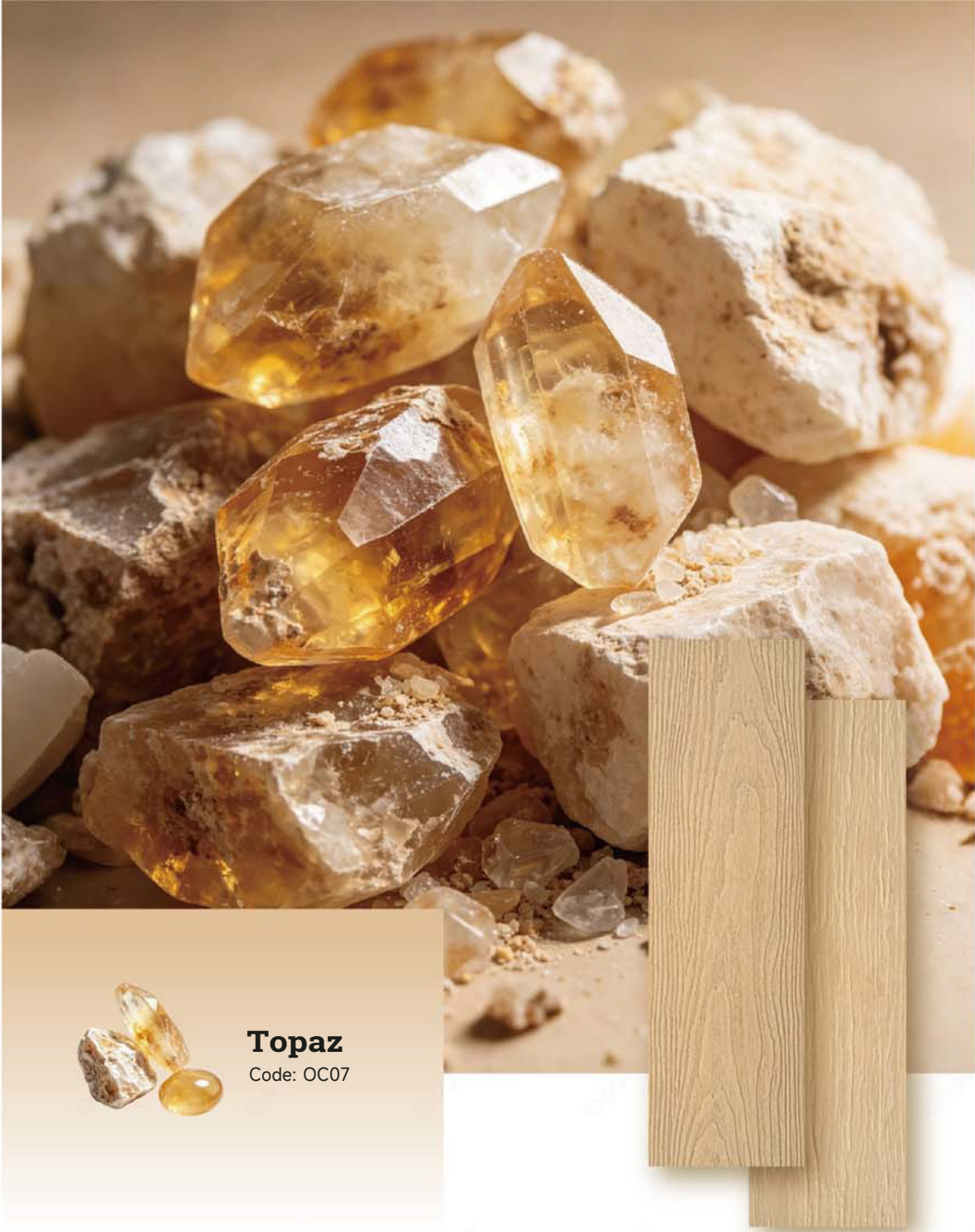
Thicker Co-extruded Cap Protection

A 1.2–1.5 mm co-extruded protective cap provides added protection against everyday wear while helping maintain its appearance over time.



Design Inspiration

Inspired by the colours of natural minerals, Orionwood features a distinctive colour palette. A selection of wood grain finishes and profiles suits a wide range of architectural styles.



Oakio® Orionwood circle hollow decking in opal colour

Orionwood Decking Profile Options

Orionwood is available in both hollow and solid profiles, suitable for a wide range of residential and commercial applications.

Profile Choices



OPD01
Size: 140x22 mm
Joist span: 350 mm
Application: Residential use



OPD02
Size: 143x21.5 mm
Joist span: 400 mm
Application: Commercial use



OPD04
Size: 140x23 mm
Joist span: 350 mm
Application: Commercial use



Add-in Options

The profiles, colours, and textures shown above are our standard options. Oakio also offers full customization, contact us for more at www.oakio.com.

Orionwood Decking Colour and Finish Choices

Mineral-inspired colours and carefully selected finishes suit a wide variety of design preferences.

Colour Choices



Labradorite
Code: OC01



Smoky Quartz
Code: OC02



Garnet
Code: OC03



Sunstone
Code: OC04



Obsidian
Code: OC05



Graphite
Code: OC06



Opal
Code: OC07



Topaz
Code: OC08

Natural Wood Grain Textures

Orionwood offers a selection of natural wood grain finishes for a wide range of architectural styles. Combined with mineral-inspired colours, they create a collection with a distinctive design character.

Texture Options



Code: OW01 | 3D Embossing | 942mm Repeat



Code: OW02 | Sanding surface | 942mm Repeat



Code: OW03 | 3D Embossing | 942mm Repeat



Code: OW04 | 3D Embossing | 942mm Repeat



Code: OW05 | 3D Embossing | 942mm Repeat



Code: OW06 | 3D Embossing | 942mm Repeat



Code: OW07 | 3D Embossing | 942mm Repeat



Code: OW08 | 3D Embossing | 942mm Repeat

CLIPS

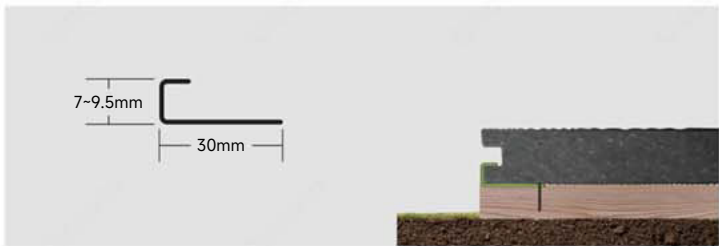
Oakio® decking is designed for professionals and also perfect for novices. Oakio® clip system enables simplified installation of your deck boards.

Fixing Methods

STARTER CLIPS



Code: AS04



* Material: Stainless steel 304

Expansion clips



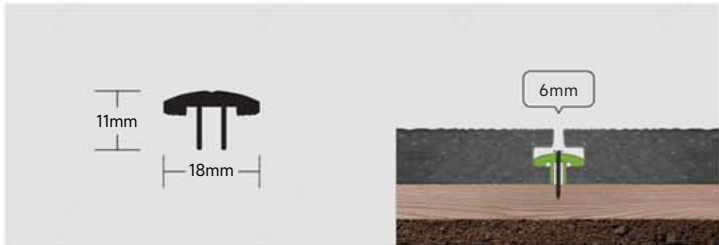
Code: AS01



* Material: Stainless steel 304



Code: AS07



* Material: Aluminum



Code: AS10

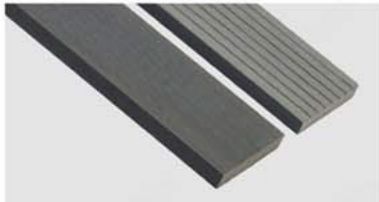


* Material: Plastic

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



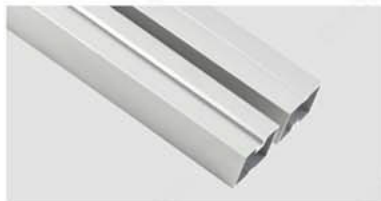
Elashield Fascia

Code: EPF01 Size: 71x11 mm



Matshield Fascia

Code: MPF01 Size: 71x11 mm



Aluminum Joist

Code: AJ21 Size: 42x30 mm



Orionwood Fascia

Code: OPF01 Size: 140x11.5 mm

Pedestal



Oakio® Proshield circle hollow decking in westminster colour

Pedestal

Oakio® pedestal delivers precise, reliable height control—perfect for projects that require significant clearance or fine height adjustments. Quick and easy to install, it ensure a premium-quality finish on roofs, balconies, and terraces.

Height Choices



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

