THE ITALIAN LAB®

oakio®

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

The Italian Lab ® - 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 !

The Italian Lab® - Oakio® WPC is backed by 25-year limited residential warranty on Proshield, Matshield 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. The Italian Lab® - Oakio® WPC is made from up to 95 percent recycled materials, saving tens of thousands of trees each year. The Italian Lab® - Oakio® is the industry leader in high-performance wood plastic composite building materials.

Proshield Collection
Matshield Collection

Designed in ITALY

Made in China

THE ITALIAN LAB

oakio

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.

WHO WE ARE

Let’s build to last

Craft your WPC products as beautiful and lasting as thememories you’ll create on it.

Board-To-Board Colour Variations and touch different

At The Italian Lab® - 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.

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.

Matshield Collection

The Italian Lab® - 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 crow.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-rtesistant

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.

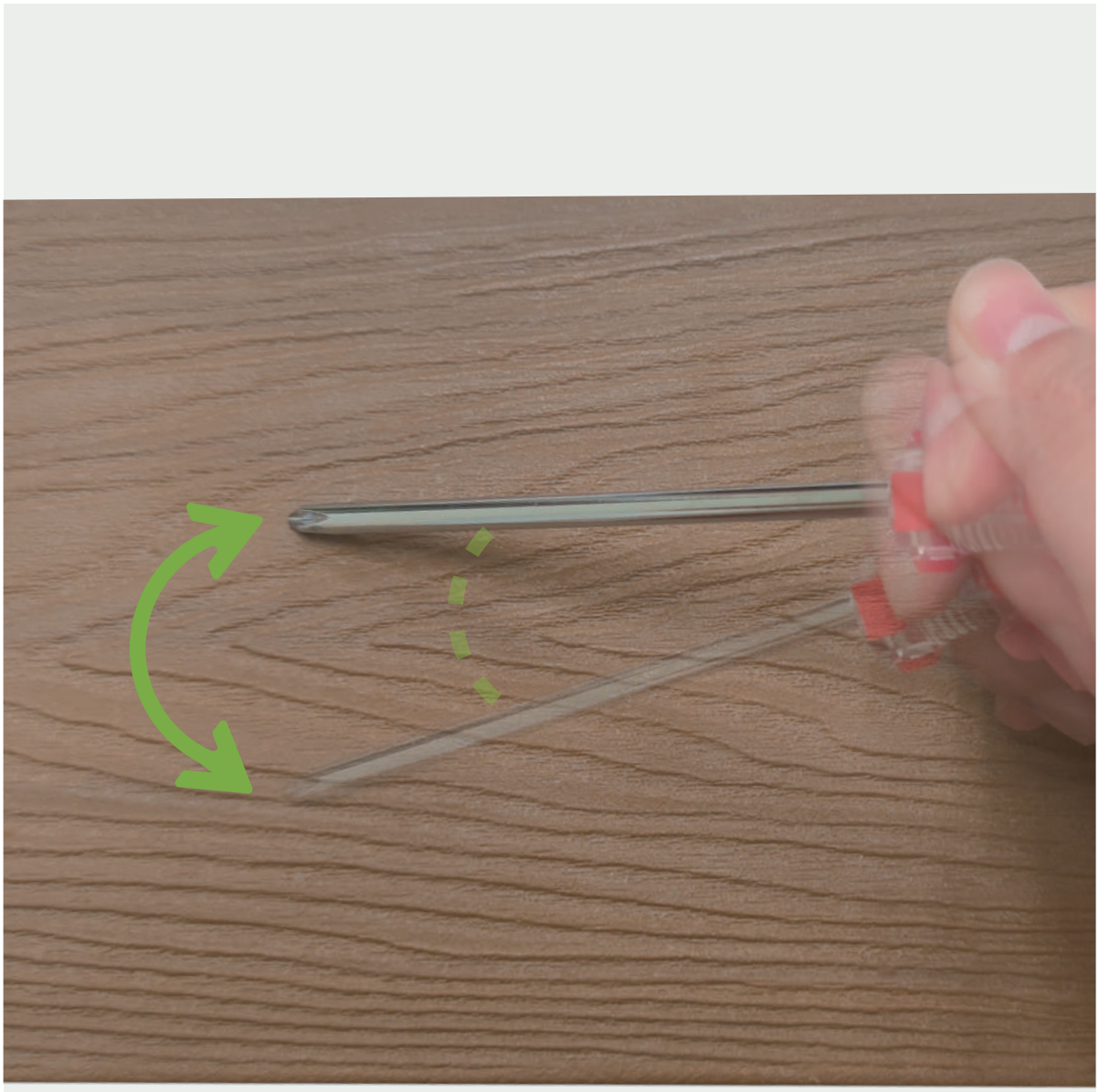
▼ Combustion Test

▼ 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.



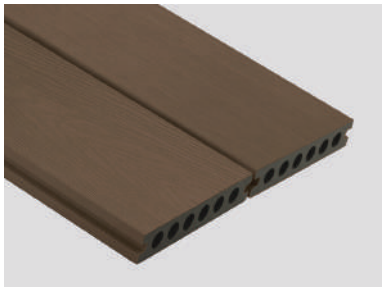
Matshield decking profile and colour options

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

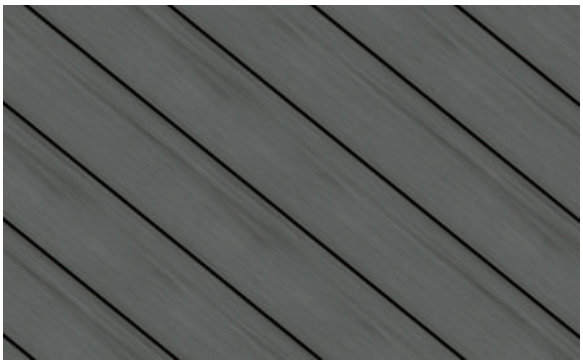
Code: MC05

Cinnamon

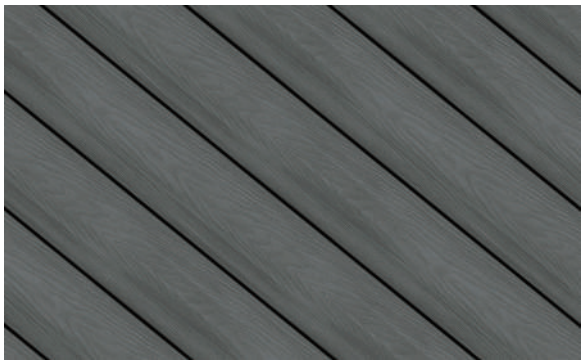
Code: MC06

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 while family.

Texture Options



MW01



MW02

Add-in Options

The above profiles, colours and textures are our standard ones, while The Italian Lab - 0akio provides fully customization, contact The Italian Lab - 0akio for more at **www.theitalianlab.com** / **www.oakio.com**.

The Italian Lab® - Oakio® Matshield circle hollow decking in panther colour

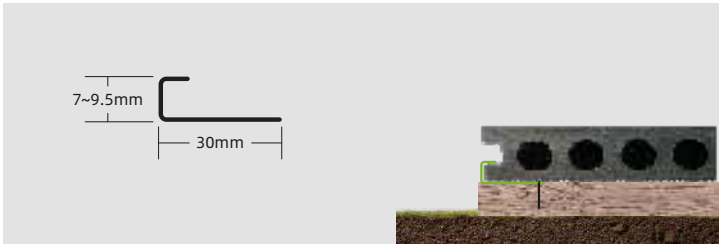
CLIPS

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

Fixing Methods

STARTER CLIPS

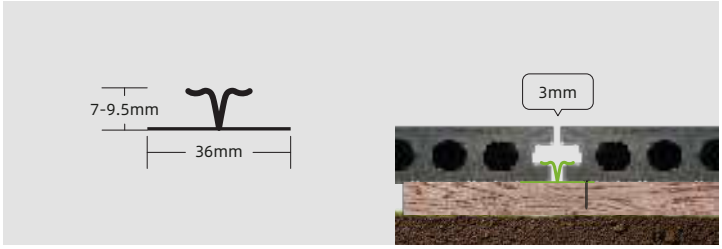
Code: AS04



* Material: Stainless steel 304

Expansion clips

Code: AS01



* Material: Stainless steel 304

Code: AS07

* Material: Aluminum

Code: AS10

* Material: Plastic

Fascia

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

Fixing Methods

Proshield Fascia

Code: PPF19
Size: 138x10 mm

Proshield Fascia

Code: PPF20
Size: 138x15 mm

Proshield Fascia - U Channel

Code: IPF15
Size: 96x76 mm

Proshield Fascia

Code: PPF01
Size: 71x11 mm

Proshield Fascia

Code: PPF02
Size: 140x11 mm

Proshield Fascia

Code: PPF03
Size: 50x50 mm

Matshield Fascia

Code: MPF01
Size: 71x11 mm

Pedestal

The Italian Lab® - Oakio® Proshield circle hollow decking in westminster colour

ACCESSORIES

Pedestal

The Italian Lab® - 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

Basic style (150-310mm) + small increase BSE (80-110mm) = small increase style (260-420mm)

Basic style (150-310mm) + large increase BLE (120-200mm) = large increase style (305-510mm)

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

150-310 (mm) | 260-420 (mm) | 305-510 (mm) | 410-620 (mm) | 445-710 (mm) | 550-820 (mm) | 585-910 (mm) | 690-1020 (mm) | 725-1110 (mm) | 830-1220 (mm) | 865-1310 (mm) | 970-1420 (mm)

CLADDING

Proshield Cladding

The Italian Lab® - Oakio® Proshield scollop cladding in lake baikal colour

Proshield Cladding

Proshield Collection is the second generation of Iniwood Collection with Iniwood materials (35% plastic resin, 55% oak wood fiber and 10% additive) as the core and golf ball material as the shield.
This means that it has an advanced premium shield encasing on all four sides around its inner core. Unlike most of the co-extrusion cladding on the market, Proshield cladding is capped by golf material instead of only PE.

- 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

Profile Choices

PPC01

Size: 140x12 mm
Joist span: 350 mm

PPC02

Size: 156x21 mm
Joist span: 350 mm

PPC10

Size: 176x26 mm
Joist span: 350 mm

PPC12

Size: 142X13 mm
Joist span: 350 mm

PPF21 - Corner

Size: 79x79 mm
Joist span: 350 mm

PPC03

Size: 219X26 mm
Joist span: 350 mm

Proshield Colour and finisher options

These beautiful, natural textures offer effortless cleaning, no maintenance and the most advanced moisture and fade resistance technology available.

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

Valensole

Code: PC11

Potala Palace

Code: PC12

Magnificently durable Proshield Textures

Proshield in its aesthetics and resilient in its wear, Proshield is 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 while family.

Texture Options

PW01

The Italian Lab® - Oakio® Proshield solid cladding in westminster colour

The Italian Lab® - Oakio® Proshield scallop cladding in westminster colour

The Italian Lab® - Oakio® Proshield solid cladding in westminster colour

The Italian Lab® - Oakio® Proshield cladding in westminster colour

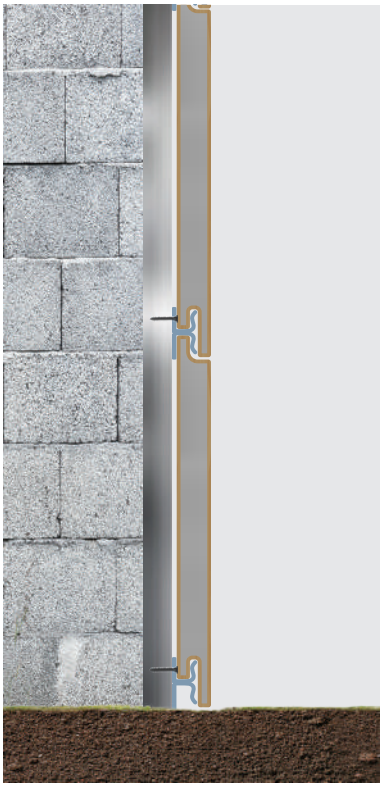
The Italian Lab® - Oakio® Proshield cladding in westminster colour

The Italian Lab® - Oakio® Proshield cladding in westminster colour

Fixing Methods

Clips and screws are the main accessories for cladding.
Visit **www.oakio.com** for further information.

Fixing Methods



Code: AM04

Code: AS04

Code: AS13

Proshield Profiles

Our range of Proshield profiles is made up of five different sizes that allow to create numerous architectural elements, such as sunscreens, pergolas, railings, gates, partitions elements, decorative elements. Our profiles are also supplied with end caps. On request it is also possible to create customized profiles.

Proshield Profiles

Proshield Profiles

Code: PSM04
Size: 60x42 mm

Proshield Profiles

Code: PSM05
Size: 100x52 mm

Proshield Profiles

Code: PSM06
Size: 120x62 mm

Proshield Profiles

Code: PSM07
Size: 172x62 mm

Proshield Profiles

Code: PSM08
Size: 96x76 mm

Proshield Profiles - L/C Profile

Code: PSM09
Size: 249x60 mm

Proshield Profiles

Code: PSM14
Size: 200x50 mm

Proshield Profiles

Code: PSM12
Size: 200x100 mm

Proshield Profiles

Code: PSM13
Size: 200x200 mm

Proshield Profiles and finisher options

These beautiful, natural textures offer effortless cleaning, no maintenance and the most advanced moisture and fade resistance technology available.

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

Valensole

Code: PC11

Potala Palace

Code: PC12

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Texture Options

PW01

Ending Cap

Ending Cap
Code: AP08
Size: 60x42 mm

Ending Cap
Code: AP09
Size: 100x52 mm

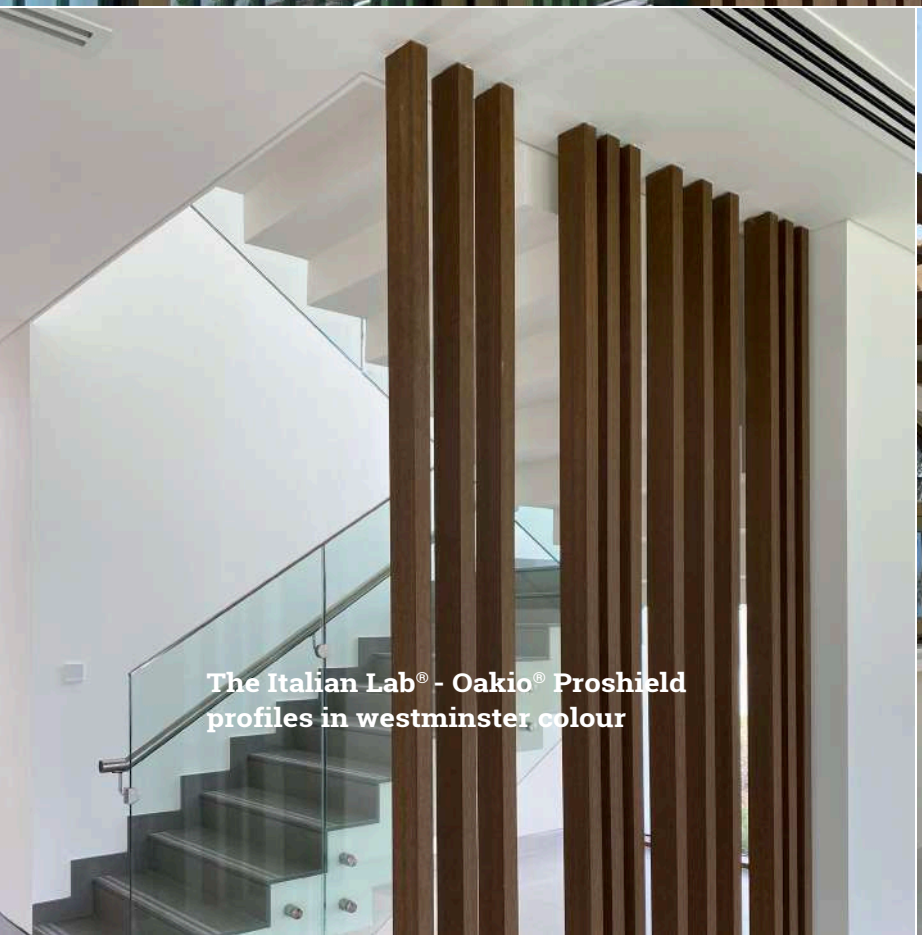
Ending Cap
Code: AP10
Size: 120x62 mm

Ending Cap
Code: AP12
Size: 39X52 mm

Ending Cap
Code: AP13
Size: 50X62 mm

The Italian Lab® - Oakio® Proshield profiles in westminster colour

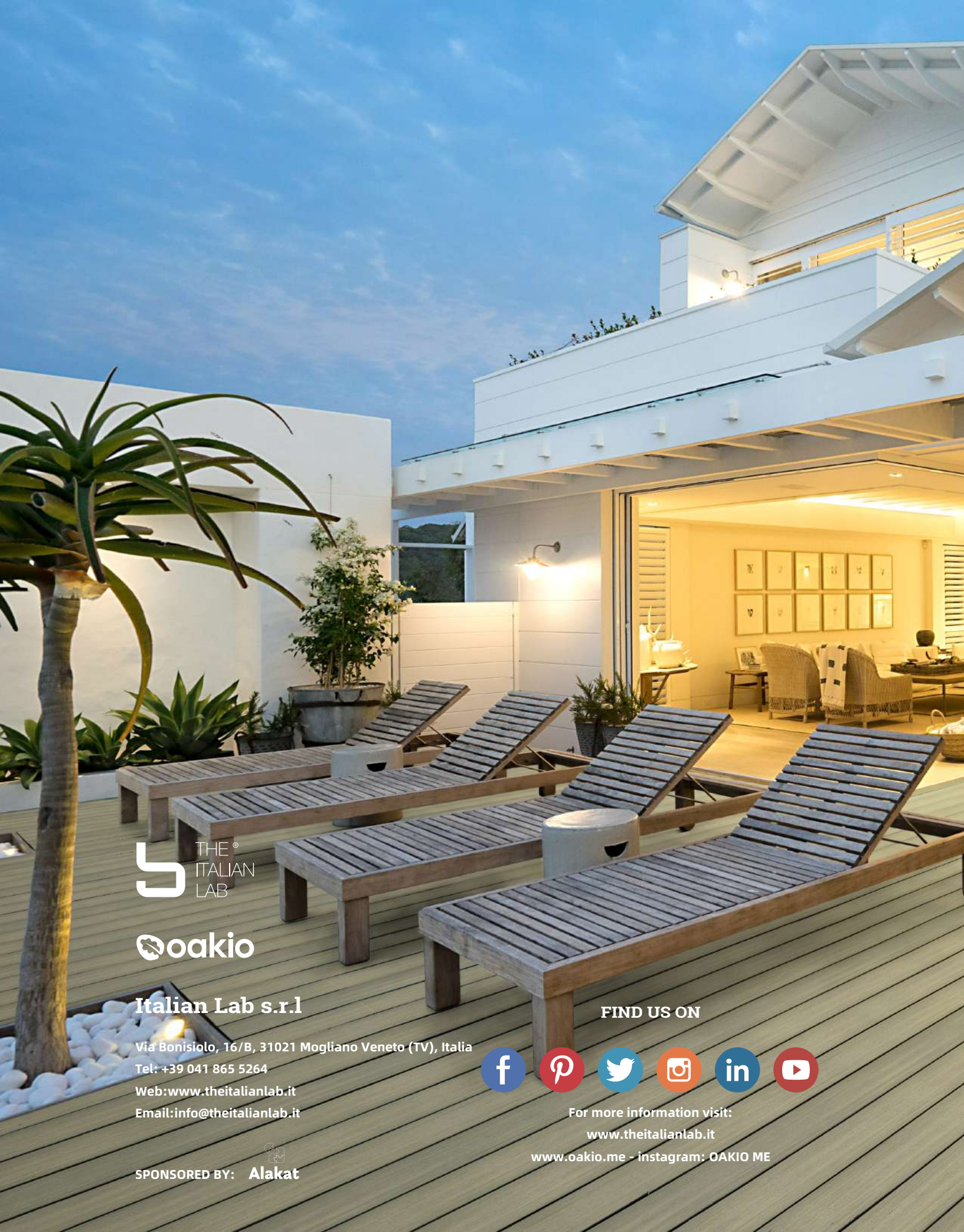
The Italian Lab® - Oakio® Proshield profiles in westminster colour



The Italian Lab® - Oakio® Proshield profiles in westminster colour

The Italian Lab® - Oakio® Proshield profiles in westminster colour

NOTE:



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