EPW

LUXURY DECKING

2026

What’s wood Plastic composite - WPC

Wood composite is a uniform blend of wood and polymer, merging the strength and technical properties of wood with the durability and low maintenance of polymers. EPW® has been advancing this technology since 2006, consistently innovating and expanding its product range. As one of Europe's leading wood composite manufacturers, EPW® employs cutting-edge technology to deliver high-quality products. Its manufacturing process is ISO9001 certified, utilizes wood with FSC® certification, and ensures all products comply with EN15534 testing standards.

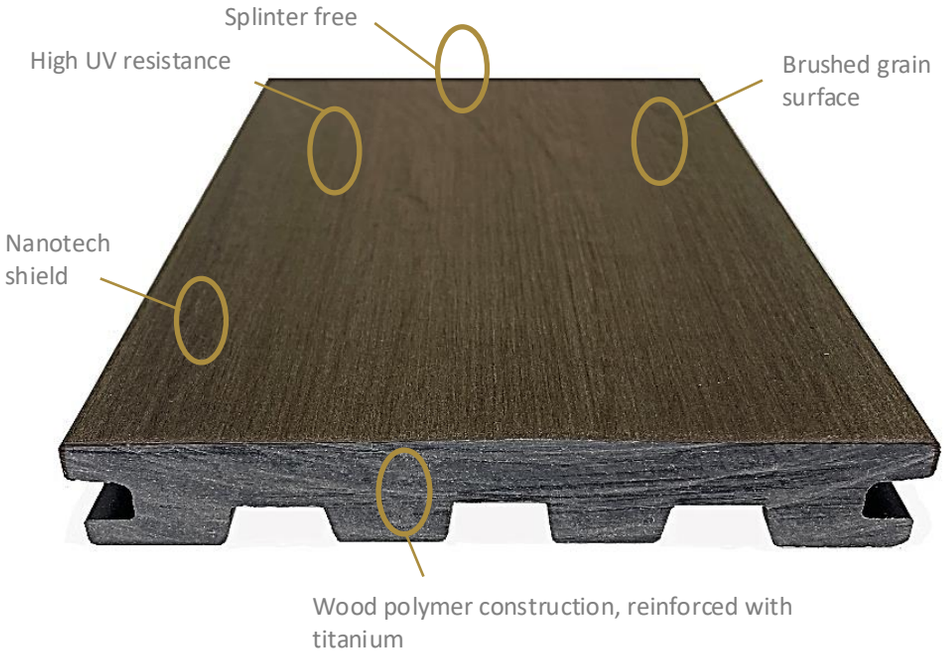
- High fire resistant
- High UV resistant
- LFT - Long fibre technology
- Low water absorption
- Low mantenance
- Abti-microbial protection to guard against mold & mildew

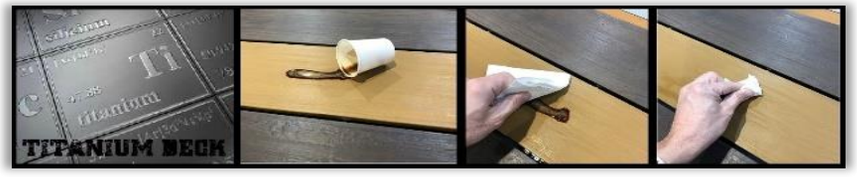
ISO 9001 QUALITY MANAGEMENT

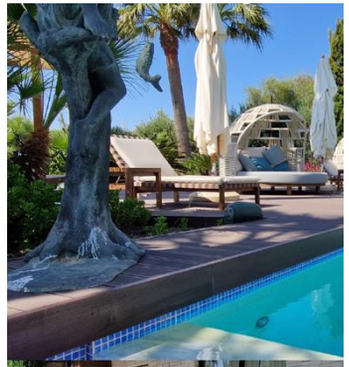
FSC The mark of responsible forestry

EN 15534 TESTED

TITANIUM DECK







Titanium Deck® Ribbed

EPW's innovative Titanium Deck® collection offers the authentic appearance and texture of wood combined with exceptional durability. This cutting-edge technology features a core composed of HDM (high-density mineral WPC core) and an exterior crafted from a modified polymer (Nanotech Shield). Designed as a solid profile for areas with heavy foot traffic, the Titanium Deck® employs a POM clip fixation system, creating a minimal joint gap of just 5mm.

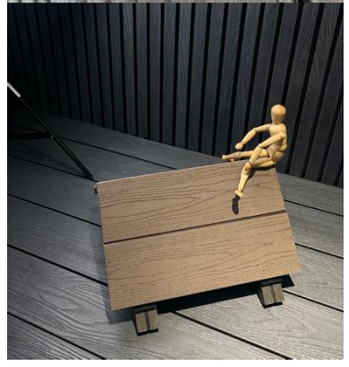
Titanium Deck® Flat

EPW's innovative Titanium Deck® collection offers the authentic appearance and texture of wood combined with exceptional durability. This advanced technology features a core composed of HDM (high-density mineral WPC core) and an outer layer crafted from a modified polymer known as Nanotech Shield. Designed as a solid profile to withstand heavy foot traffic, the Titanium Deck® utilizes a POM clip fixation system, resulting in a minimal joint width of just 5mm.

Titanium Deck® HD

Building on Titanium Deck® HD is a version features a **fully concealed fastening system**, delivering a refined and sophisticated appearance by hiding the fasteners beneath the decking's side profile. This design is particularly suited for hospitality and public spaces, as the minimal gap between boards significantly reduces the chance of objects slipping through the deck.

Titanium Deck® HD is offered with wood grain and ribbed providing a natural and subtle texture.



Titanium Castellation

The Castellation profile draws inspiration from the crenellated tops of castle walls, featuring a series of parapets with alternating rectangular indentations.
This design has regained popularity as a contemporary architectural trend in both commercial and residential projects. When applied to a facade, it creates the effect of parallel castellated wooden slats separated by a slim shadow line or rebate.
Titanium Castellation represents EPW's premium collection, offering two finish options: Castellation Wood Grain and Castellation Sanded.

1st genaration vs 2nd COMPOSITE –WPC

Characteristic	1st Generation (non-encapsulated)	2nd Generation - Titanium® (encapsulated)
Structure	Composite core exposed on the surface	Composite core protected by a co-extruded polymer cap
Stain/grease resistance	Medium/Low: porous surface absorbs oils	Very high: the cap prevents penetration of grease and stains
Colour stability (UV)	Tends to fade	Very high, with UV protection on the cap
Mould/algae	May develop in humid environments	The cap acts as a barrier; simple cleaning removes surface deposits
Touch/safety	No splinters; slip-resistant, even when wet	No splinters; slip-resistant, even when wet
Maintenance	Require aggressive washing	Low maintenance; water + mild detergent
Technical classification	1st-generation technology	2nd-generation technology

Titanium® is the new generation of capped composite, designed for those who demand durability, low maintenance, and an elegant finish for any outdoor space.

• **Total Protection**

Advanced polymer cap fully shields the core for maximum resistance and longevity.

• **Stain & Grease Resistance**

“Capped” technology prevents oils and liquids from penetrating, keeping the surface looking pristine.

• **Long-Lasting Colour**

High-performance UV protection ensures vibrant, fade-resistant colour.

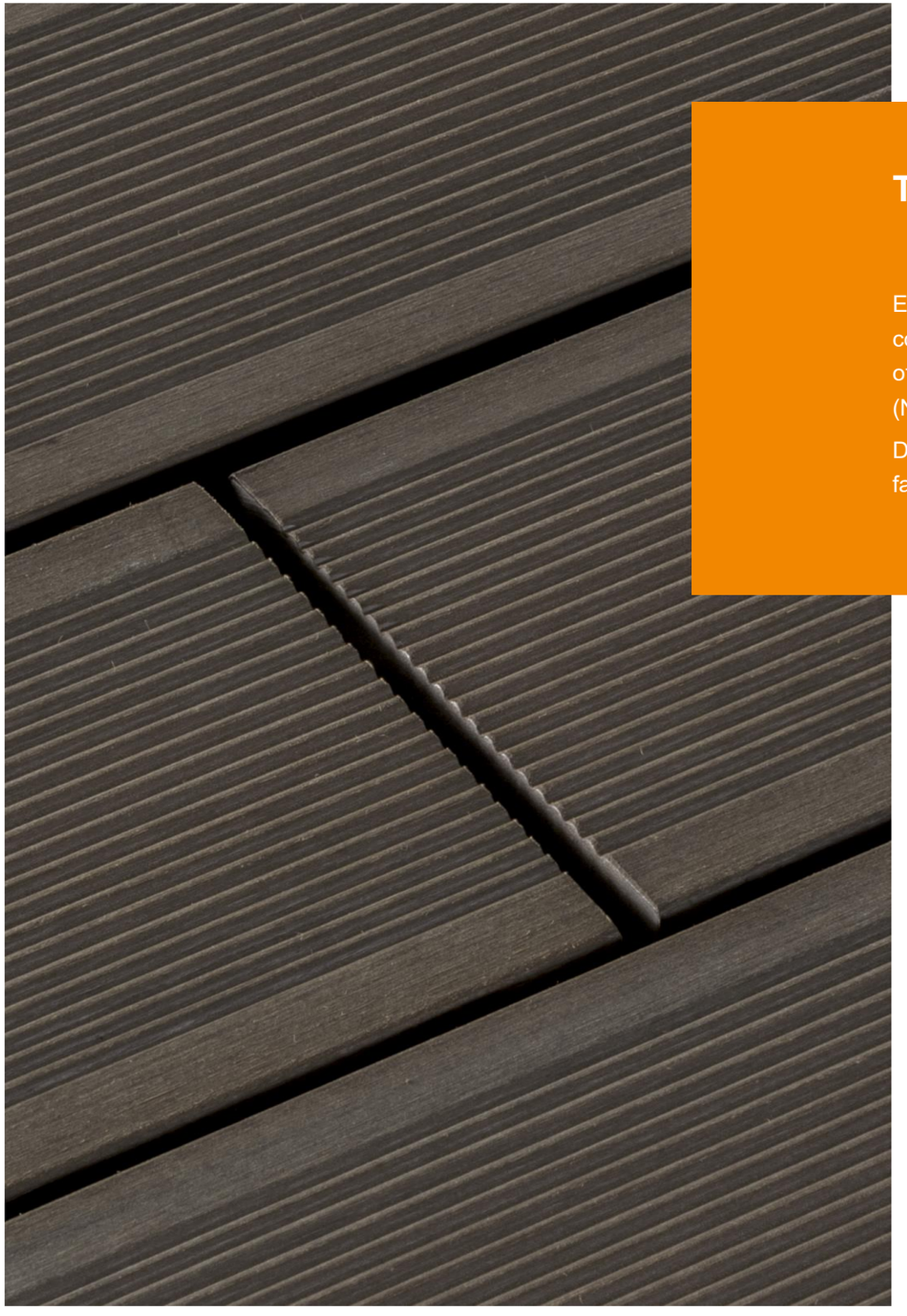
• **Mould & Algae Resistant**

Encapsulated surface reduces biological growth and makes cleaning effortless.

• **Minimal Maintenance**

Just water and mild detergent. No sealing or aggressive treatments required.

Titanium® — the smart choice for modern, durable, and sophisticated outdoor environments.

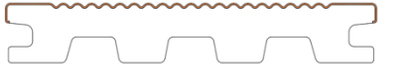


Titanium Deck® Ribbed

EPW's innovative Titanium Deck® collection offers the appearance and texture of wood combined with exceptional durability. This advanced technology features a core composed of HDM (high-density mineral WPC core) encased in an outer layer of modified polymer (Nanotech Shield).

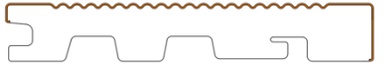
Designed as a solid profile for heavy foot traffic, Titanium Deck® employs a POM clip fastening system, resulting in a minimal joint width of just 5mm.

PROFILE



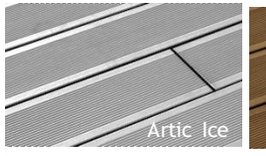
FIXING

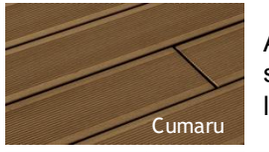
EDGE BOARD



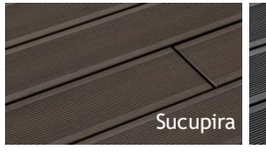
Dimension
150x24mm
3200/2300mm

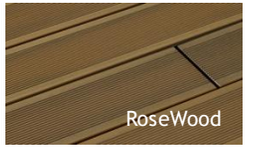
AVAILABLE COLORS

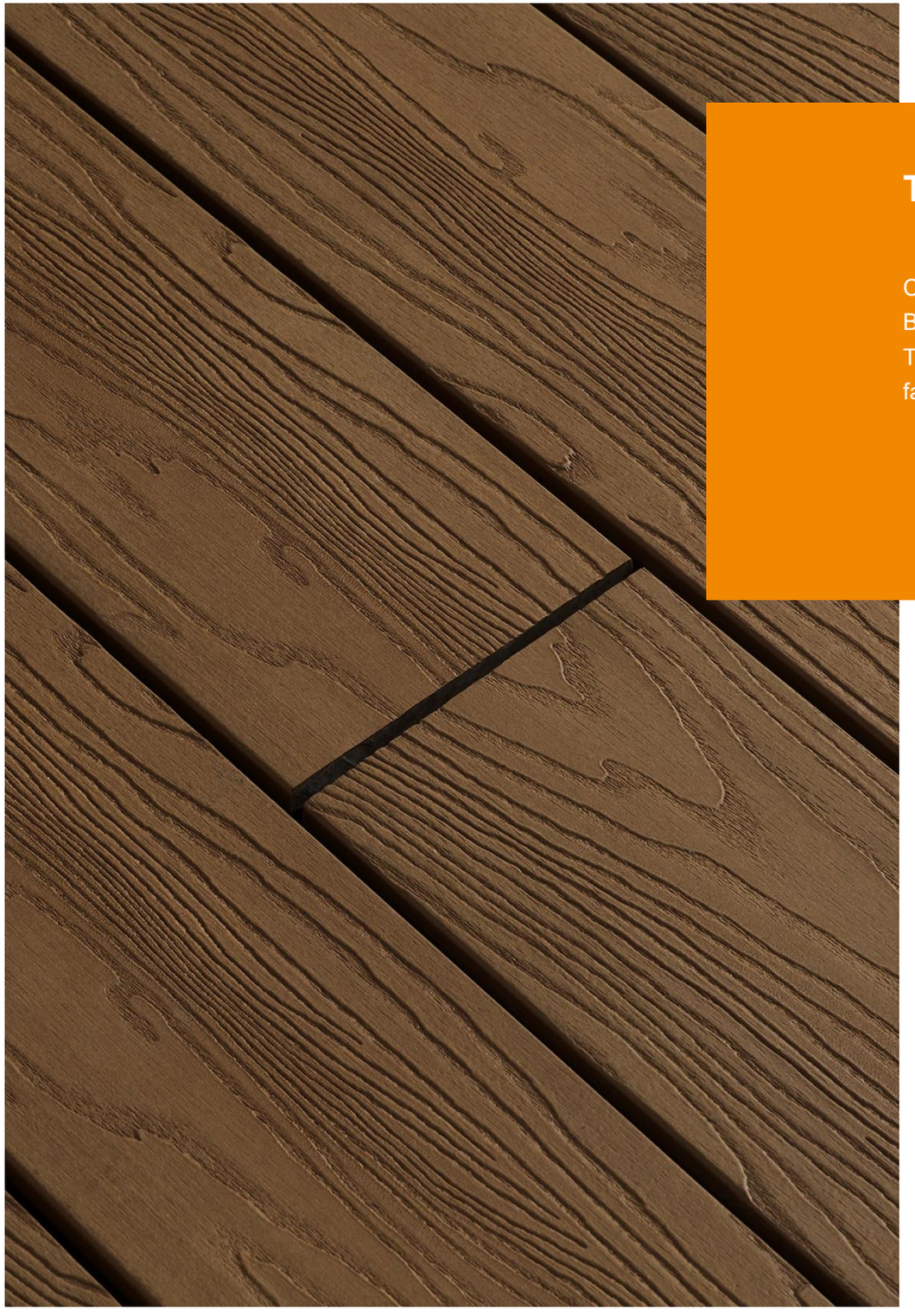




All boards have diffetent shades and tones, just like in wood!







Titanium Deck® Flat

Choose between wood grain or straight grain finishes—whichever suits your preference! Both options offer a highly realistic and contemporary appearance.
Titanium Deck® features a robust profile designed to withstand heavy foot traffic. Its fastening system utilizes a POM clip, creating a minimal joint of just 5mm.

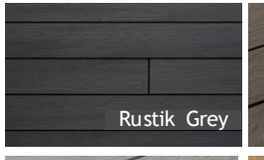
PROFILE

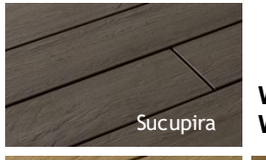
FIXING

EDGE BOARD

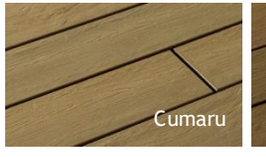
Dimension
150x24mm
3200/2300mm

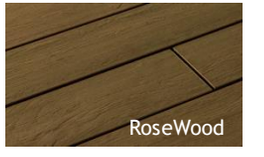
All boards have diffetent
shades and tones, just like in wood!

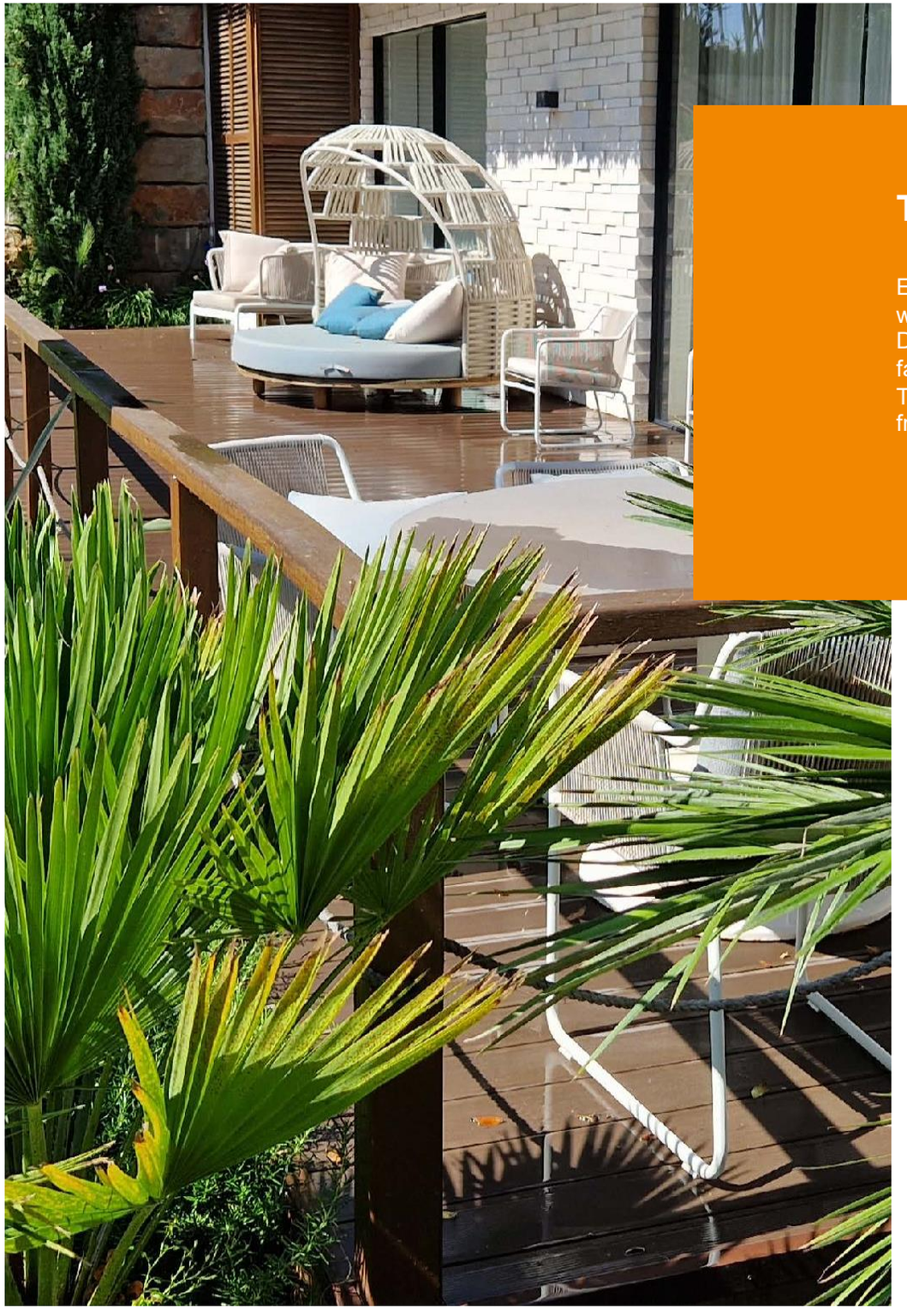




WG
Woog Grain







Titanium Deck® HD

EPW's innovative Titanium Deck® collection delivers the aesthetic and texture of wood while offering exceptional durability.
Designed as a solid profile suitable for heavy foot traffic, Titanium Deck® features a fastening system using a POM clip, resulting in a narrow 5mm joint.
Titanium HD incorporates a unique design specifically engineered to prevent small objects from slipping through the deck.

PROFILE

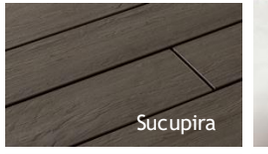
FIXING

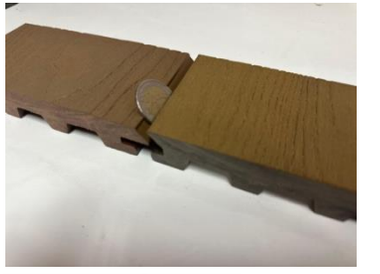
Dimension
145x22mm
3200/2300mm

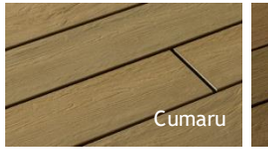
Ribbed

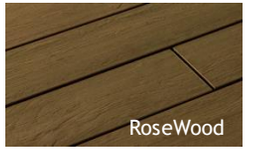
AVAILABLE COLORS

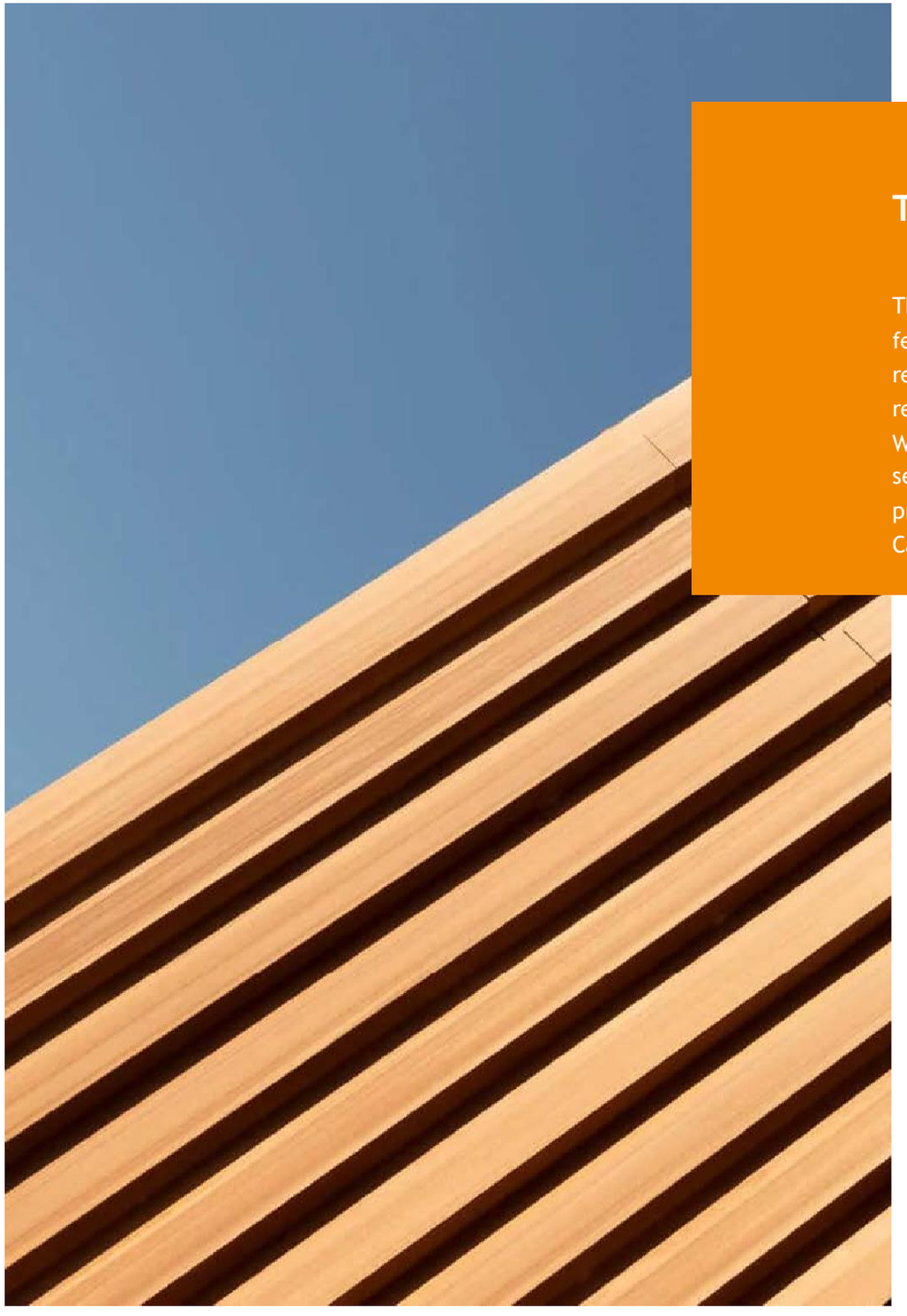
WG – Woog Grain







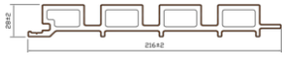




Titanium Castellation

The Castellation profile draws inspiration from the battlements atop a castle wall, featuring a sequence of parapets with alternating rectangular notches. This design has regained popularity as a contemporary architectural trend in both commercial and residential developments.
When applied to a facade, it creates the look of parallel castellated wooden slats separated by a slim shadow line or rebate. Titanium Castellation represents EPW's premium collection and is available in two finish options: Castellation Wood Grain and Castellation Sanded.

PROFILE

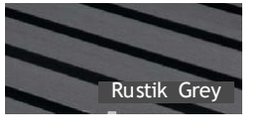


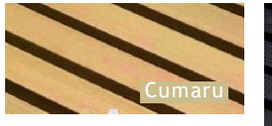
FIXING

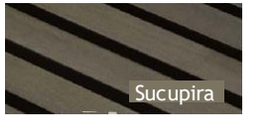
SG – Straight Grain

Dimension
216x28mm
2800mm

AVAILABLE COLORS

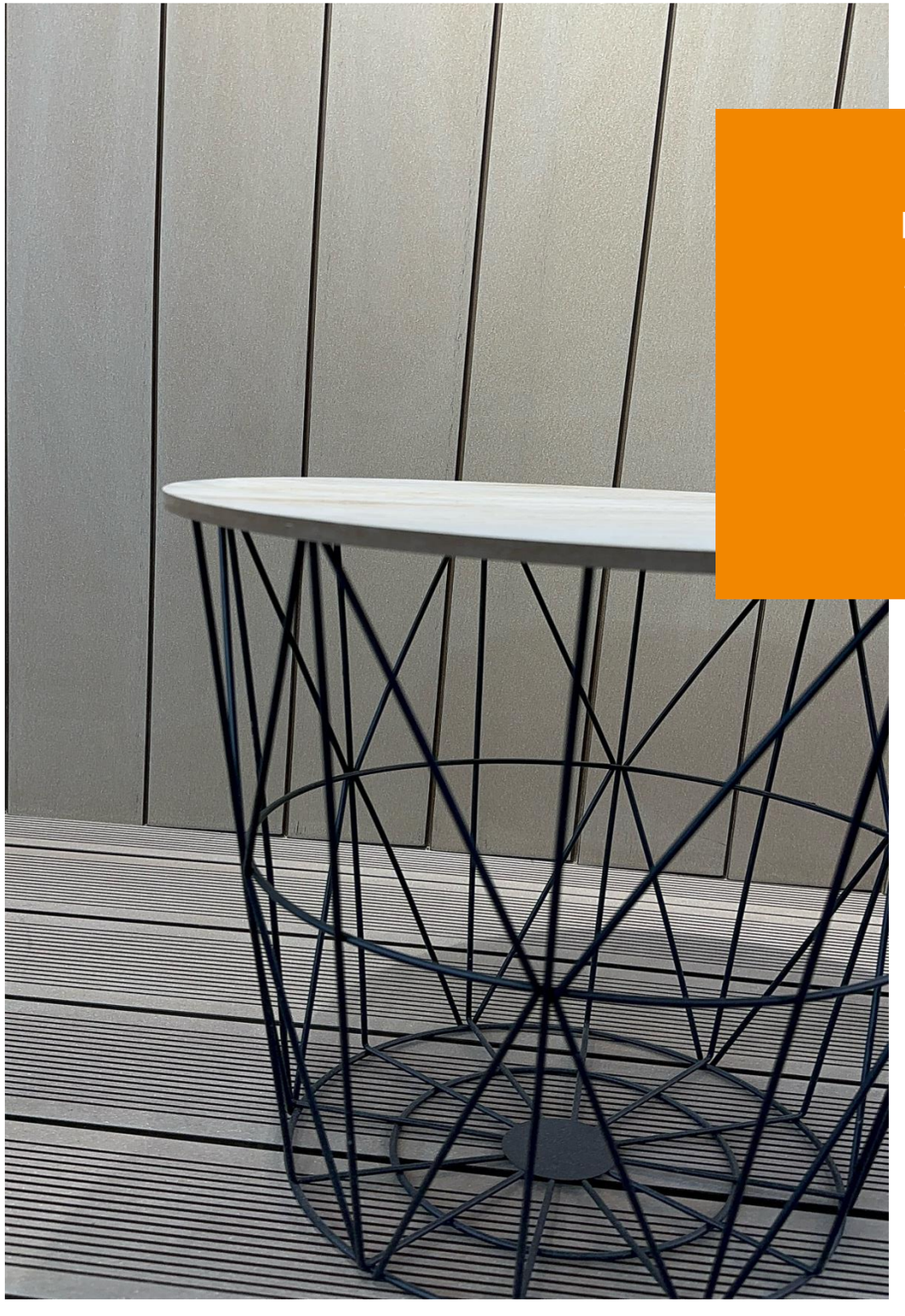






SG – Straight Grain

WG – Wood Grain



EzWall Titanium

The design brief consistently aims to deliver a modern solution that complements the existing décor.
Featuring UV-resistant treatment and a striking contemporary colour, it offers the ideal finishing touch for any exclusive outdoor space.
Available with both wood grain and straight grain finishes, each incorporating Titanium technology.
You can coordinate the colours of your decking with those of your cladding.
EzWall® is a profile designed for facades and ceilings, suitable for both indoor and outdoor use. Its fixation system is concealed, allowing for a joint width of 4 to 8mm.

PROFILE

FIXING

Dimension
130 (158)x18mm
3200mm

AVAILABLE COLORS

WG – Wood Grain

SG – Straight Grain

Cumaru
Sucupira
Rustik Grey
RoseWood

Lx120

The Lx120 Flat® is a semi-solid profile specifically engineered for use in areas characterized by low foot traffic, making it ideal for spaces where durability and subtlety are essential. This profile is installed using a POM clip system, which ensures a secure fit and results in an impressively narrow joint width of only 5mm, contributing to a sleek and seamless appearance. As a pioneering first-generation product in its category, the Lx120 Flat® stands out as a highly competitive option in the market, combining innovative design with practical functionality to meet the needs of modern architectural and interior applications.

PROFILE

FIXING

Dimension
120x20mm
2300mm

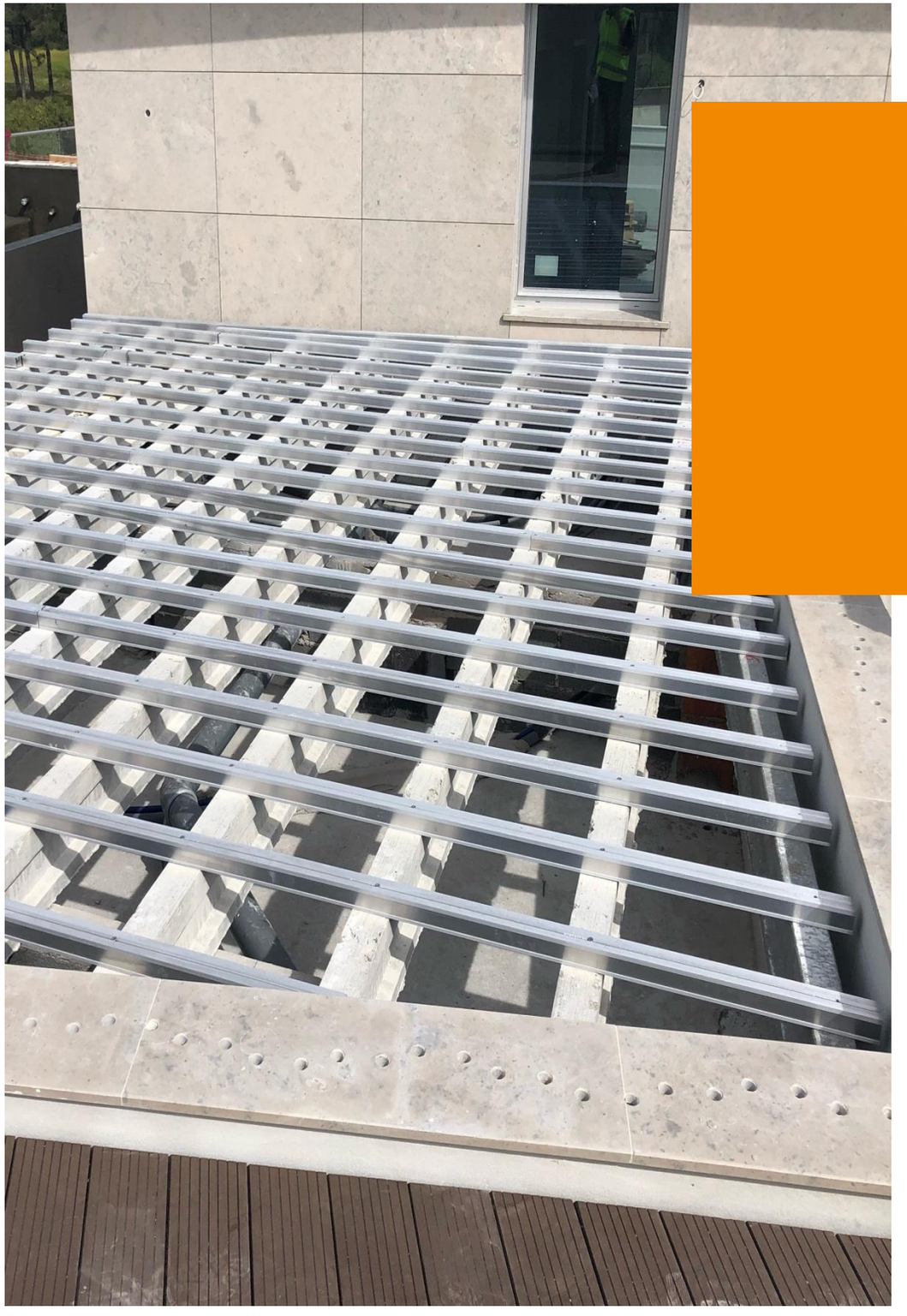
AVAILABLE COLORS

Vulcan

Chocolate

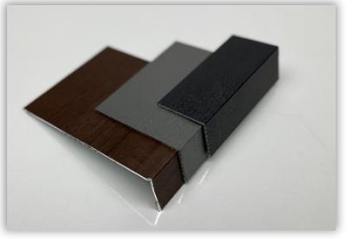
Mid Brown

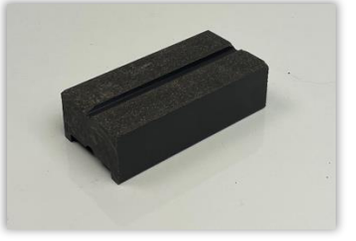
Camel



Acessories

- Preparing a substructure can make you despair ... it is as important as the installation itself.
- Preparation is the secret. Understanding the material and its behavior, are the basis of good preparation.
- A complete range of accessories allows you to facilitate and improve an entire installation.
- It is not enough to have the best product in the world ... you must also have a wide range of accessories to allow the installer to get the best out of the product





ALUMINIUM “L” CORNERS

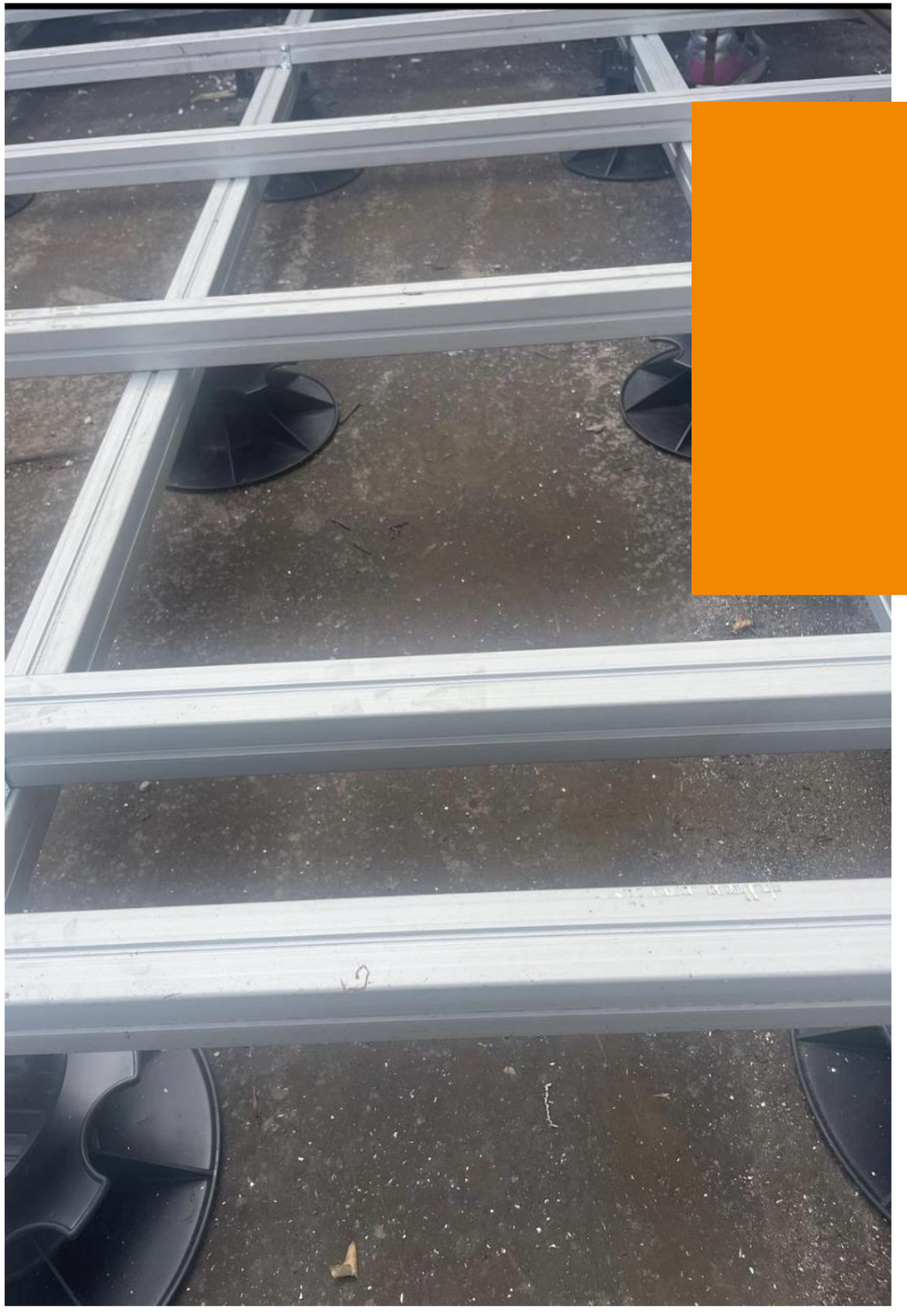
The corners are easily made using this easy-to-apply profile, UV resistant. 35x48mm, 35x90mm, 35x150mm

ALUMINIUM JOIST 3200mm

It is the easiest and most robust way to sub-structure the deck. With a special design to ensure a safer and easier anchoring of the screw, this joist optimizes the application by more than 30%. The joist itself levels the structure and is the best solution for a cross structure (for when it is not possible to drill the floor). 50x50mm or 50x30mm

COMPOSITE JOIST 50x30x2300mm

With high resistance to humidity, this solution guarantees high longevity when applied in the most demanding environment.



Acessories

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- Preparation is the secret. Understanding the material and its behavior, are the basis of good preparation.
- A complete range of accessories allows you to facilitate and improve an entire installation.

- It is not enough to have the best product in the world ... you must also have a wide range of accessories to allow the installer to get the best out of the product

POM CLIPS

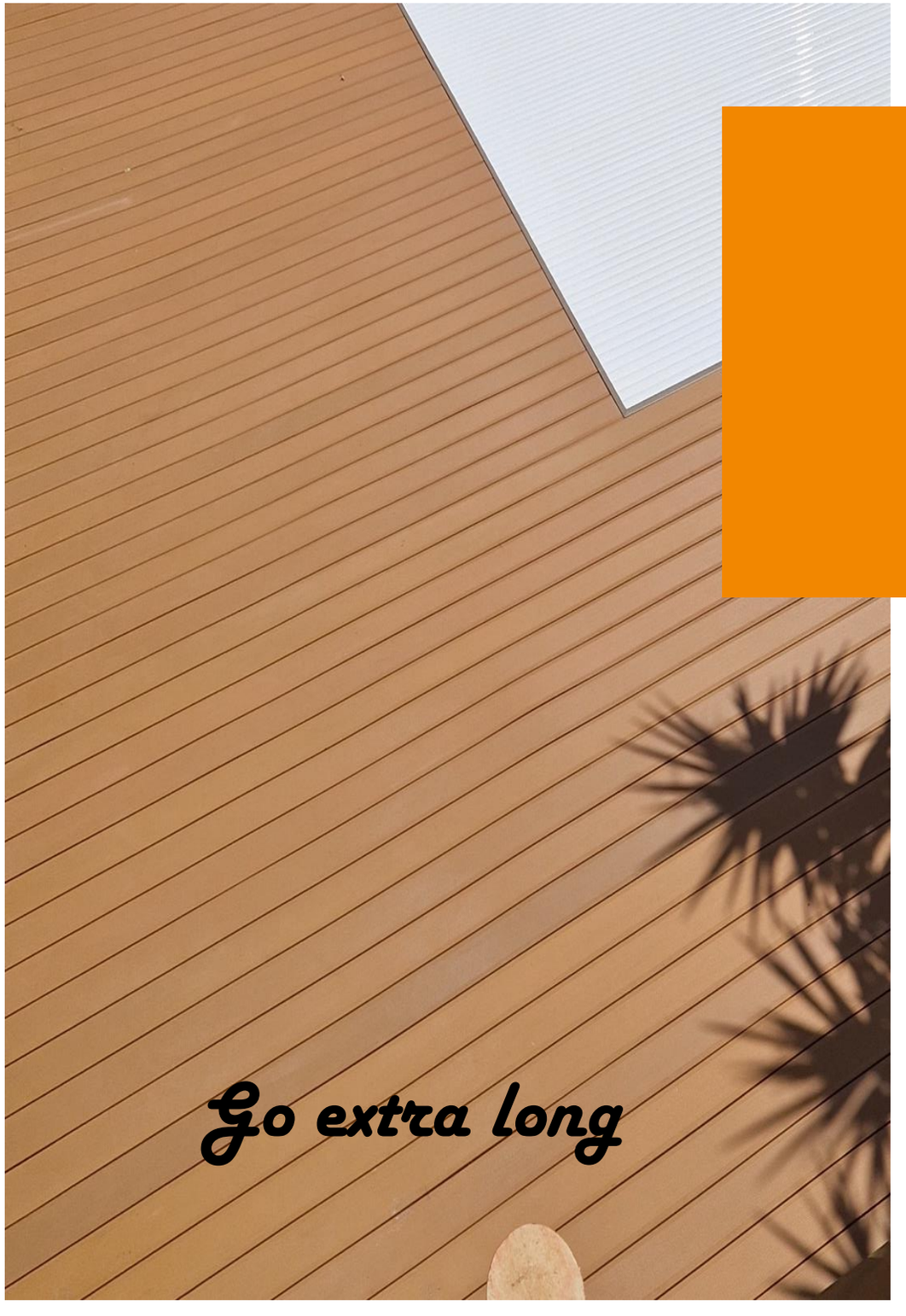
POM clips have an impact resistance and durability far more superior to a stainless-steel clip.

INITIAL CLIP

The initial clip is what you should use when you want to start an application with higher quality. Made of stainless steel, with the possibility of being used also

CORNER TRIM

This corner aluminium profile, with the same colour as the cladding, should ne used in any corner of the installation.



Factory

- We can produce custom-made lengths up to 9m
- Make your installation special with long boards
- No expansion gaps… make your deck an art piece

- It is not enough to have the best product in the world … you must also have a wide range of accessories to allow the installer to get the best out of the product

- Get a really luxury deck, with extra long boards
- Make you deck unique
- Custom made projects
- Different tones just like in wood

Length tolerances **must be considered** before installation.

If you respect the recommended slope for the installation, **cleaning the floor will be quite easy**. However, the floor must be cleaned frequently due to environmental factors which leave their mark.

Watermarks **are natural and easy to remove**. Rainwater and “night-time moisture” trickle down the material and drag small particles of dirt. When they are dry, they become visible. This phenomenon diminishes over time, but it is not possible to avoid.

To clean, you should initially use a dry brush to remove the visible dirt, follow by cleaning with water and a brush. For general cleaning of dirt and, you can use EzClean®.

The **natural color fading** of the composite occurs in the first 10 to 12 weeks of exposure, after which time the discoloration will be minimal.

This color fading is more visible on the products with wood texture, the texture becomes mate.

The products supplied by EPW® are **made with a high content of natural raw materials**, which for this reason can suffer **variations of tonality**. For the same reason, the tone of the material
supplied may not be the same as the sample.

The variation of tonality in a deck of cladding is something natural, **desirable and reflects the natural aspect of the wood**.

EPW

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MADE IN PORTUGAL
naturally