



Composite Wood Catalog





01

Galaxy·Aluminum Composites

Galaxy·Aluminum Composites is a high technology architectural system which is a hybrid material in WPC industry.

Advantages

- Maintenance free
- Dimension Stability
- Natural wood texture
- Fire rated B available
- More flexibility to design
- UV and mould resistance
- Durable for more than 25 years
- Eco-friendly and 100% recycled
- Super light weight and high strength
- Fire-Resistance class: Bs3d0 available on request



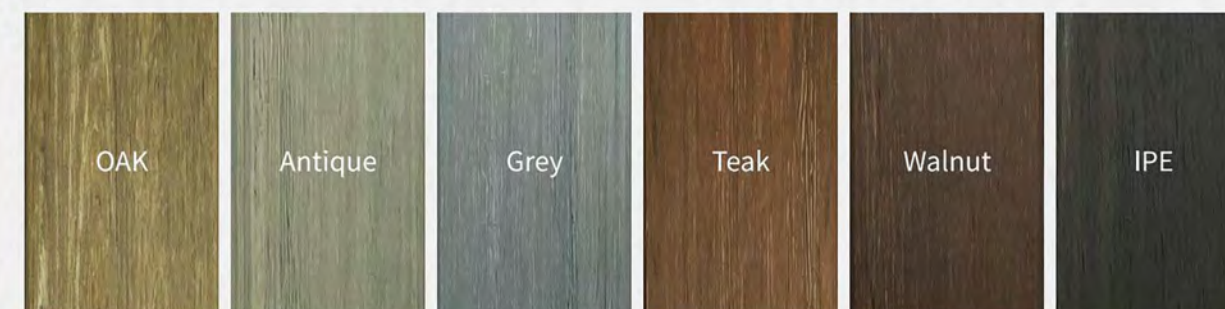
About Galaxy·Aluminum Composites

Galaxy·Aluminum Composites combines aluminium frame perfectly with HDPE cap, which brings the high strength of aluminum with a natural wood appearance. It creates a stable and durable architectural structure and natural outdoor space.

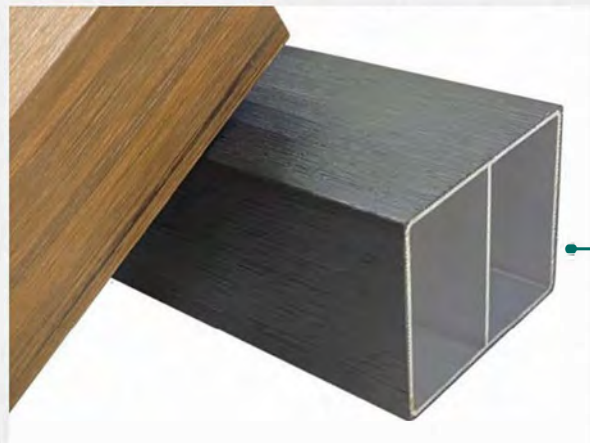
Applications

- Hotel Facade decoration
- Villas Ceiling and roofing
- Shopping Mall Wall cladding
- Garden decking and Pergola
- Scenic spot path post and balustrades
- Other decorative architectural showpieces

Colors



Galaxy·Aluminum Composites is extruded with a 360 degree protective cap in beautiful wood looking on its high quality aluminum. It has wider flexibility to create any unique design. It is considered to be a best choice for projects and customization.



Details:

- Well-Chosen Aluminium Core
1.2mm-1.5mm thickness
- Composite layer is well combined with aluminum without peeling
- Outer protective composite layer with exclusive updated formula.

Technical Test Data of Galaxy · Aluminum Composition	
Water absorption	0.08% before and after immersion (reference to EN 1609:2013)
SVHCs Chemical	Not detected (less than reporting limit)
Fire rating class	Class Bs3d0 (EN 13501-1:2018)
Light aging test	ΔE*ab=5.72 Grey Scale: 4 (Refer to co-extrusion cap)



Profile Size(mm):
W50*H30 Description: Tube



Profile Size(mm):
W139*H23 Description: Decking



Profile Size(mm): W116*H20
Description: Wall Cladding



Profile Size(mm):
W138*H13 Description: Wall Cladding

Galaxy·Aluminum Composites Projects Show

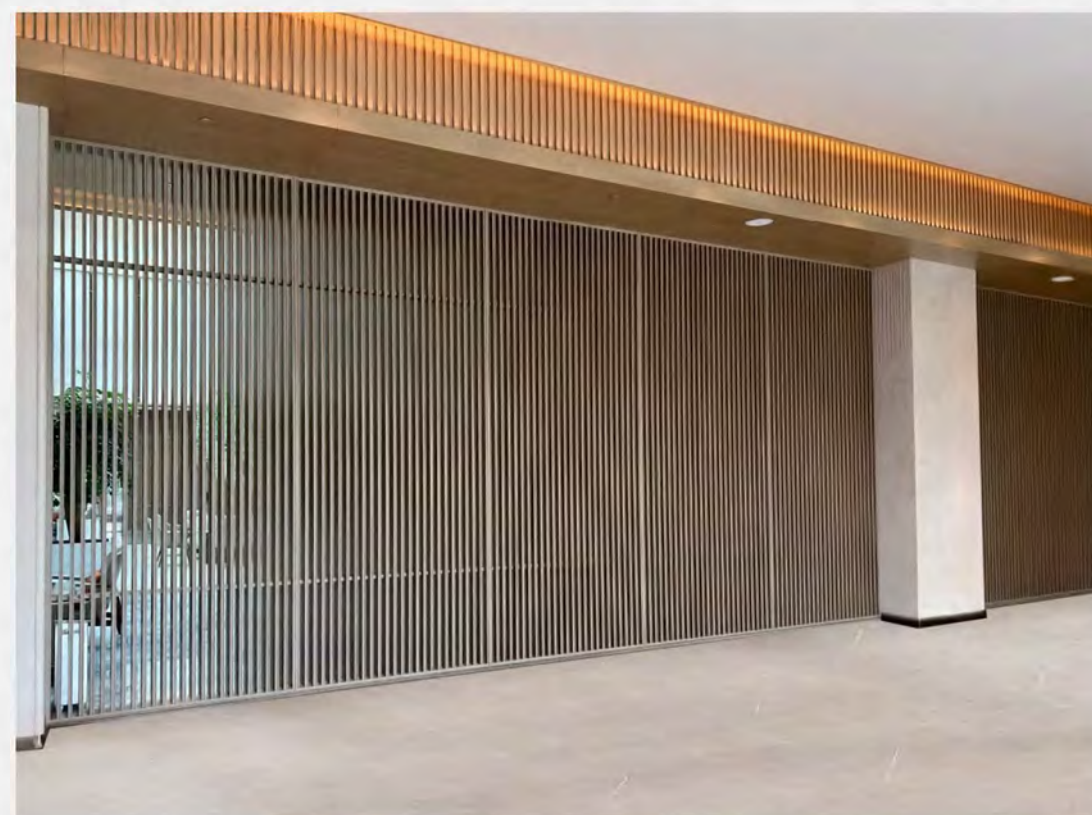
Engineering and architectures are increasingly turning to natural and composite woods in residential, commercial and urban design projects, exploiting the precious aesthetic and economic advantages that these materials offer.



Why choose?

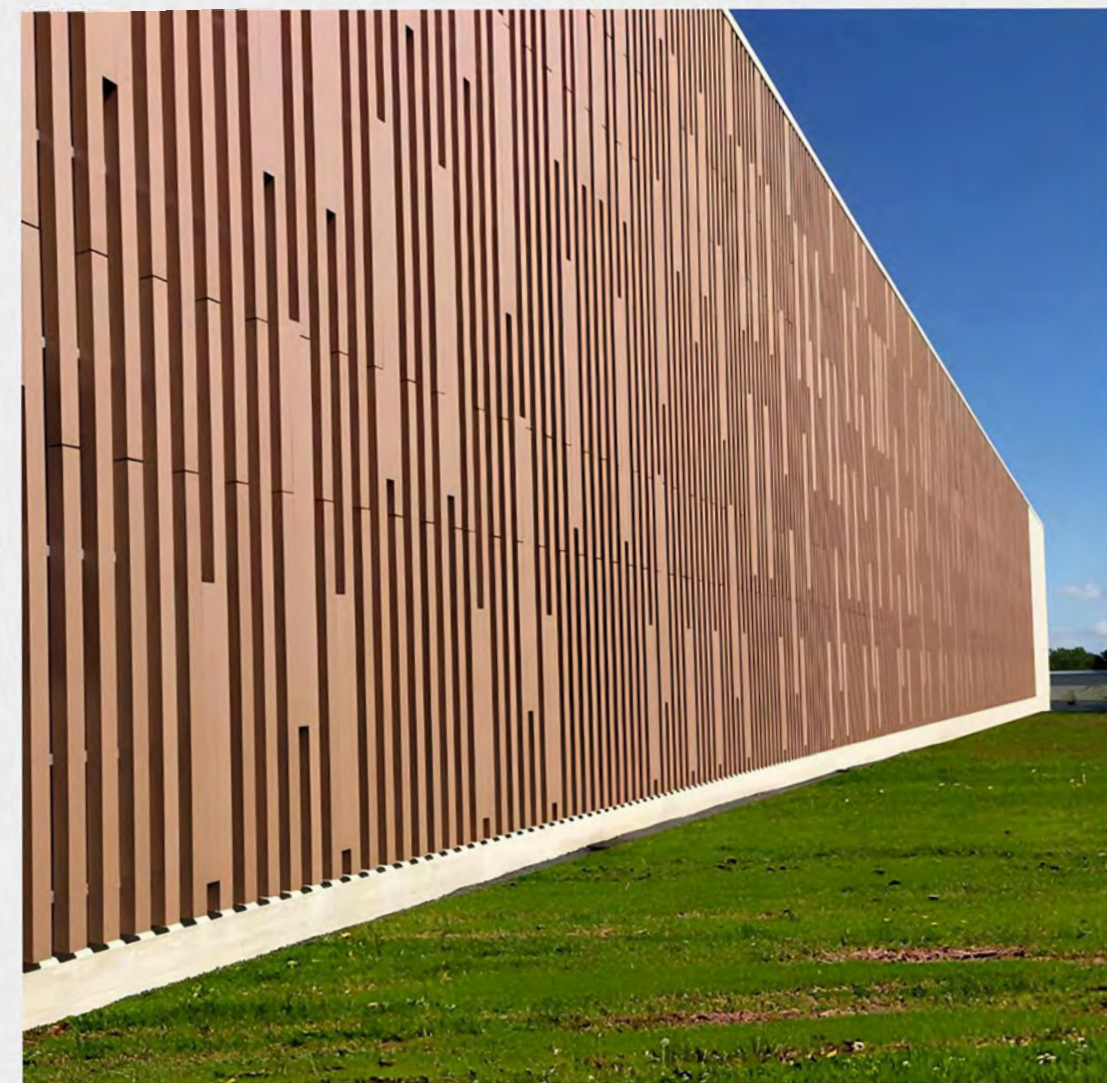
Galaxy·Aluminum Composites offers a new and delicate material to designers. With the natural wood appearance, Galaxy·Aluminum composites offers a long lifespan without any maintenance. It leaves all the joy for the outdoor experience for any applications, saves all the time to enjoyments and saves all the cost to anywhere needed. Based on its flexibility, it evokes architects to create more brilliant designs.

Compared with other composite products, Galaxy Aluminum Composites solves the problems of expansion and contractions from outdoor temperature variations. This material is impervious to moisture. It will not warp, shrink, twist, crack, or splinter like wood does, which is ultra durable material for 25+ years.





A product that is easier to install helps keep your project on track and save cost and time to do the finishing touches. The light weight and high strength makes Galaxy·Aluminum Composites is good for delivery, storage and installation.



Galaxy·Aluminum Composites is the perfect choice to create a beautiful outdoor life! It brings the pleasure of intimate contact with nature environment which lights up your outdoor dreams and creating an intoxicating outdoor paradise. The high strength, light weight and natural wood appearance makes it the substitute of standard aluminum for pergola, ceiling, cladding application. Galaxy·Aluminum Composites gives you the flexibility to create artisan courtyard in any shapes and sizes to match your lifestyle.

02

Superior Wood Co-extrusion WPC

Superior Wood decking is categorized into the Co-extrusion series, it combines the proven strengths of high-density polyethylene plastic and wood fiber with an outer shell of polymer that completely encapsulates the board in an impermeable layer of protection from moisture, stains and fading. The marvelous performance, luxurious color and natural wood grain patterns bring you the warmth and beauty of wood without any hassle.

Advantages

- Anti-slip & Water proof
- Can be FIRE resistance
- 20+ years residential warranty
- UV color stability & Stain resistance
- Hard-wearing & Scratch resistance
- Natural wood grain texture & Multiple color choices
- Fire-Resistance class: Decking Bfl-s1, Cladding Bs1d0 available on request



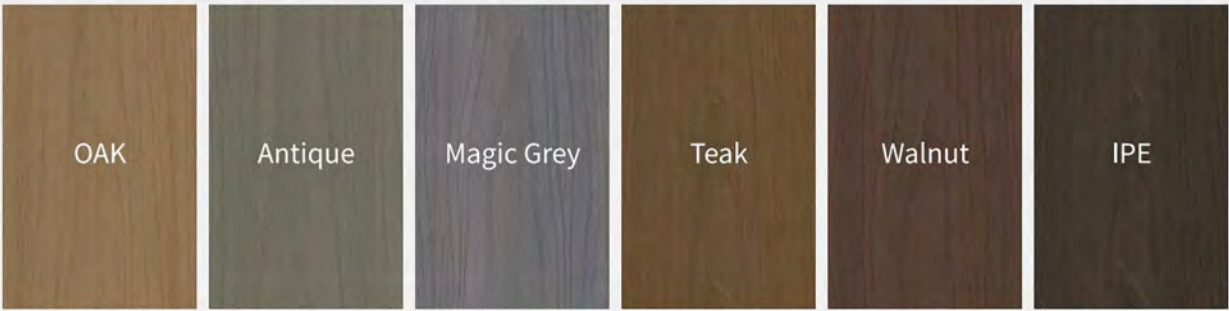
About Superior Wood Co-extrusion WPC

Superior Wood takes the composite to the next stage with its ‘fully capped’ design, creating a protective layer which provides protection against fading, scratching and splintering for a longer lifespan. With a 60% wood fiber content it offers all the benefits of wood without any splinters or maintenance.

Applications

- Patio or Terrace
- Docks or Marine
- Private swimming pool
- School, Hospital or Parks
- Garden, Backyard, BBQ area
- Refreshment bars or Seaside restaurant

Colors



Superior Wood is able to effectively sustain under any weather conditions. We have engineered years of performance to your deck so that you can get years of enjoyment out of it. Superior Wood is functional, beautiful and it will stand the test of time.



Details:

- Super thick shell
- Burshed Surface
- Ultra Low Maintenance
- 4-sided Polymer Shell Super Modified HDPE
- HDPE: 30%; Wood Fiber: 60%; Addictives: 10%



Profile Size(mm): W139*H23
Description: Decking



Profile Size(mm): W140*H23
Description: Decking



Profile Size(mm): W150*H50
Description: Tube

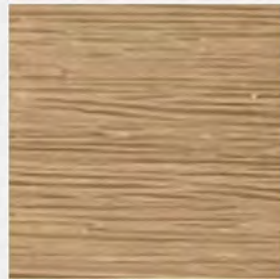


Profile Size(mm): W120*H120
Description: Tube

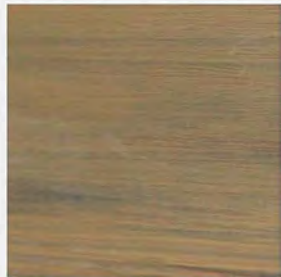
Technical Test Data of Superior Wood Co-extrusion WPC	
Peeling Strength	1.24 N/mm ² (Standard: EN 319:1993)
SVHC	Pass (Standard: EU REACH regulation No 1907/2006 Article 33 (1))
Falling mass impact	Maximum depth of residual indentation: 0.16mm (Standard: EN 15534-1:2014)
UV aging	ΔE: 1.92, Grey Scale: 4-5 (Standard: Cycle1 of ISO 4892-3:2016)
Abrasion Resistance	Wear index: 37.4mg/1000r (Standard: ASTM D4060-14)
Slip resistant	R10 (Standard: DIN 51130:2014)



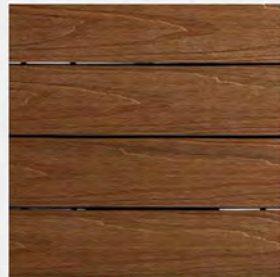
Profile Size(mm): W219*H26
Description: Slatted Cladding



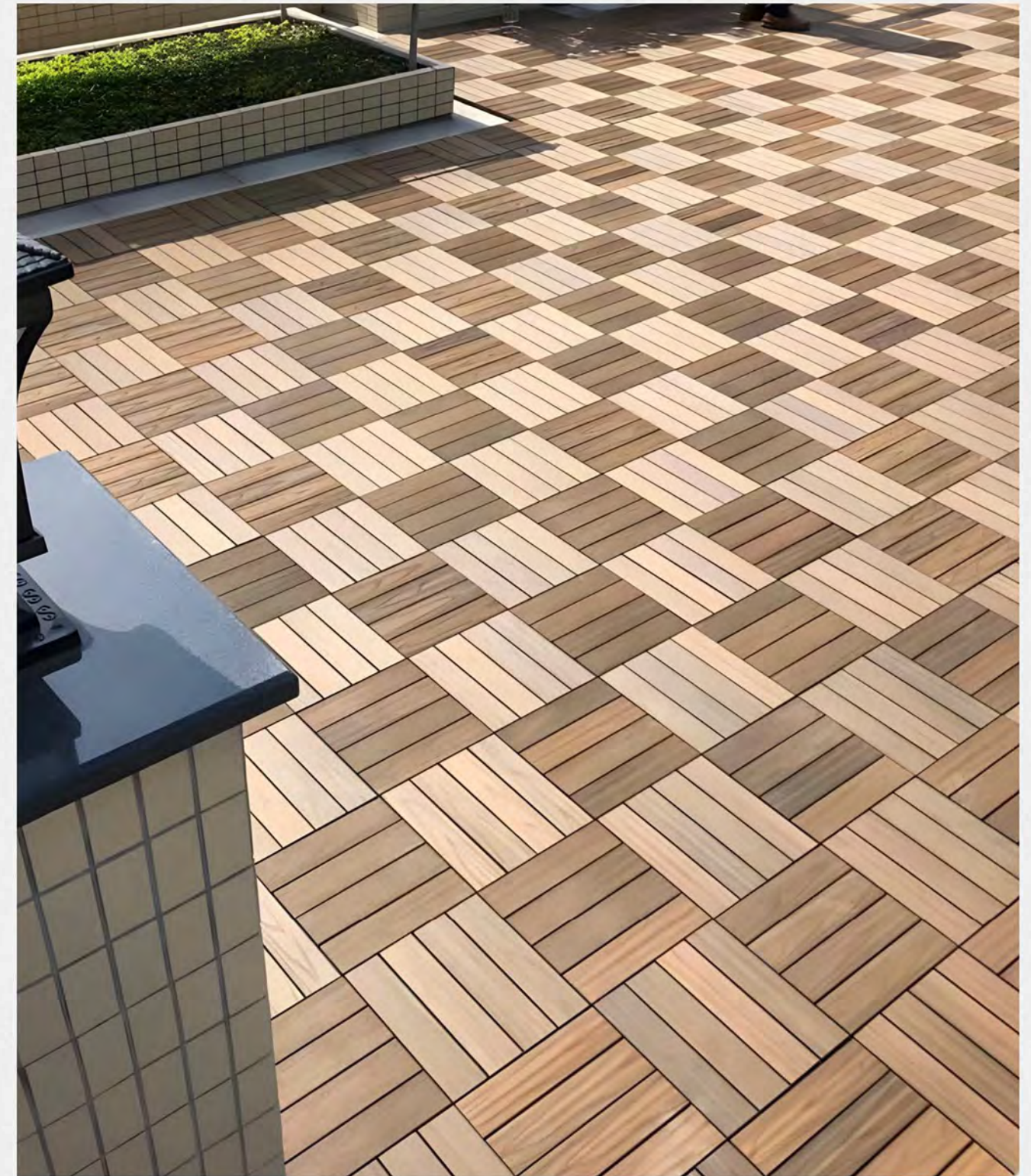
Profile Size(mm): W217*H26
Description: Slatted Cladding



Profile Size(mm): W140*H12
Description: Wall Cladding



Profile Size(mm): W300*H300
Description: DIY Tile



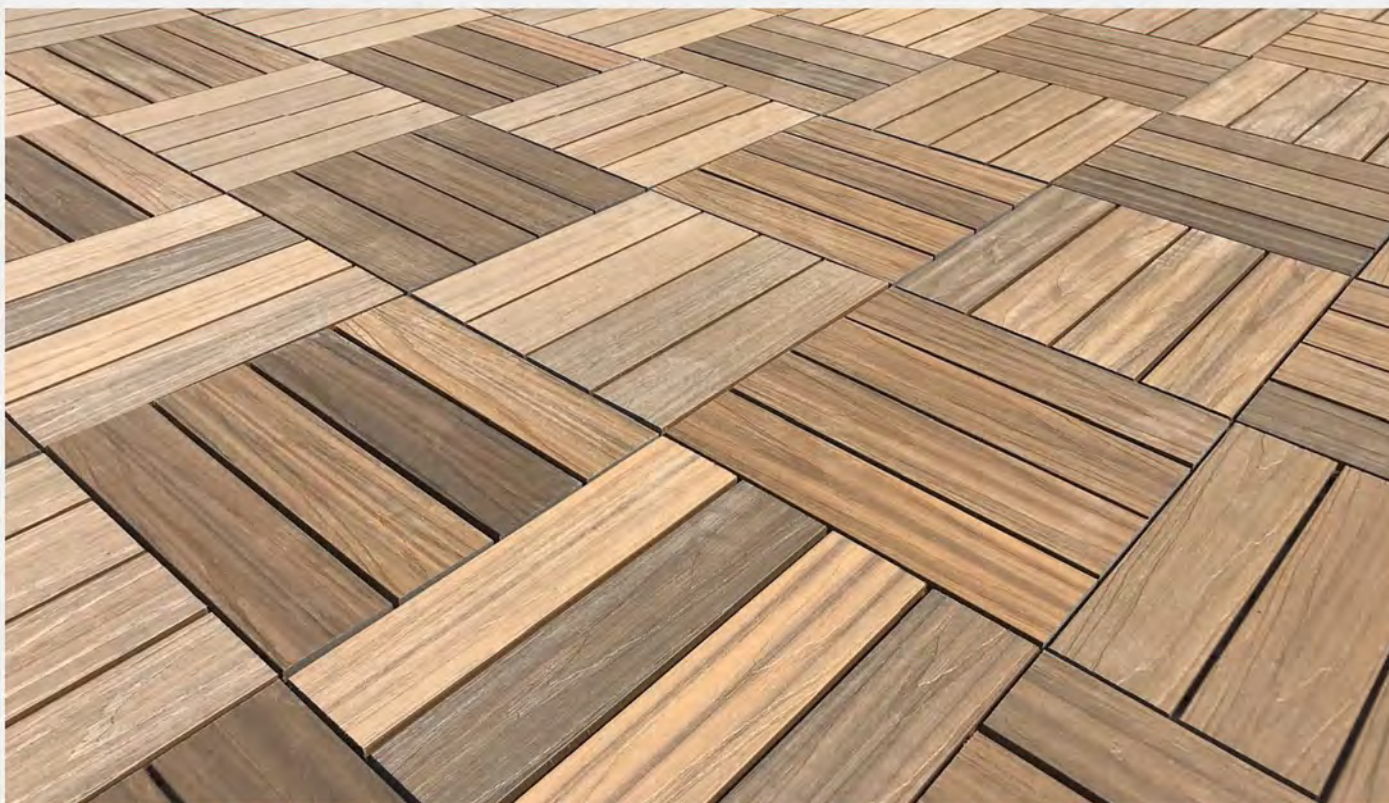
Superior Co-extrusion WPC Wall Claddings and DIY Deck Tiles

Superior Wood Co-extrusion WPC Projects Show

Superior Wood is not only natural but stunning like real timber, it is also strong and tough. Superior Wood is produced with high quality material and tested by times to reach quality standard. It brings in the natural feature to your garden and creates a wonderful garden time for anyone of you.



Superior Wood collection's wood-like appearance creates an atmosphere of healing when you spend quality time and enjoy the quiet moment with your family. Every time steps into the spectacular application of Superior Wood decking, you will immerse in it and feel the sense of inner peace and relaxation. The intoxicating outdoor art space will be the place where you make lasting memories.



Unlike the wood timber, Superior Wood will not rot and mildew with its 360 degree protection which can also be easily cleaned and maintained without additional painting and sealing. UV resistance is another extraordinary performance of Superior wood.



Eager for a eco-friendly composite decking which offers unique color and real wood texture with a high performance to replicate the character of real wood? Superior Wood is the solution which delivers the natural look of wood without constant maintenance and expense, leads you to reconnect with nature.



Nobody wants to be stuck in the house after a long day at work or school. A spacious deck is a perfect place to get outside, enjoy family time under the stars and enjoy the splendid view of the backyard. Superior Wood could be viewed as an extension of the home, offering many of the same amenities. It specifically designed to be extremely long lasting and always comes with an extended warranty up to 20 years.



03

Sandblasted Wood Co-extrusion WPC

Sandblasted decking is a special collection which is exclusively innovated

With the ultra-matte layer, Sandblasted Co-extrusion Decking has terrific antislip and abrasion resistance performance than timber decking in the outdoor environment.

Advantages

- Low maintenance
- No need for painting or renovation
- Super hard-wearing and scratch resistance
- Ultra matte surface with elegant appearance
- Perfect performance of anti-slip and anti-abrasion
- Fire Rating EN13501 Class Bf1-s1 available on request



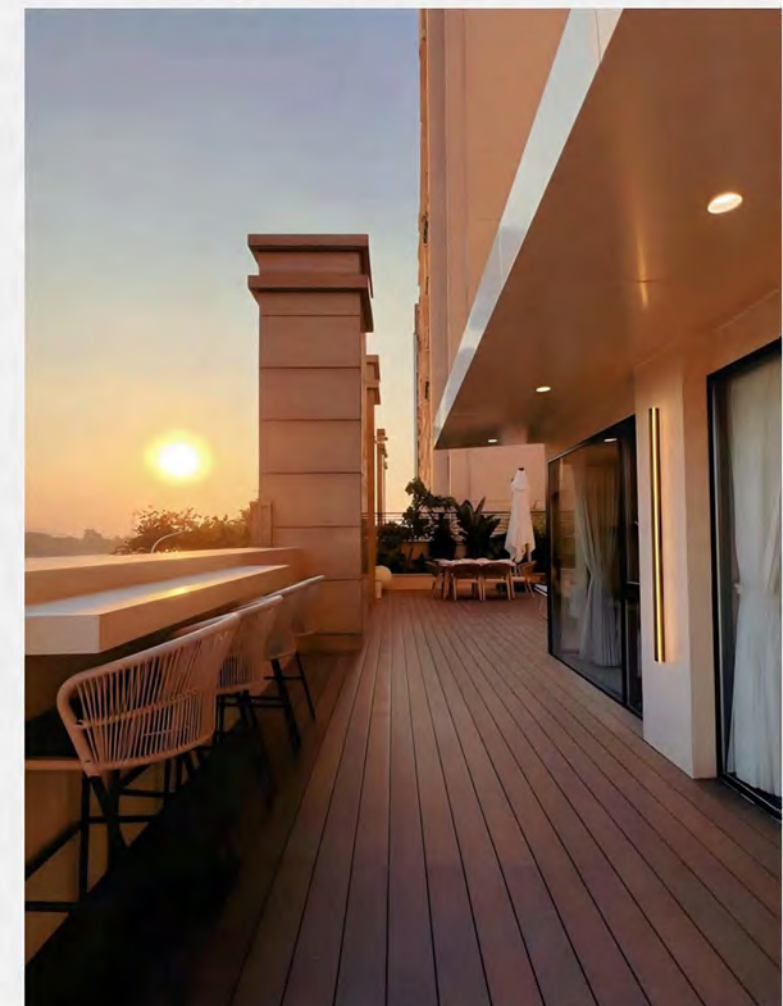
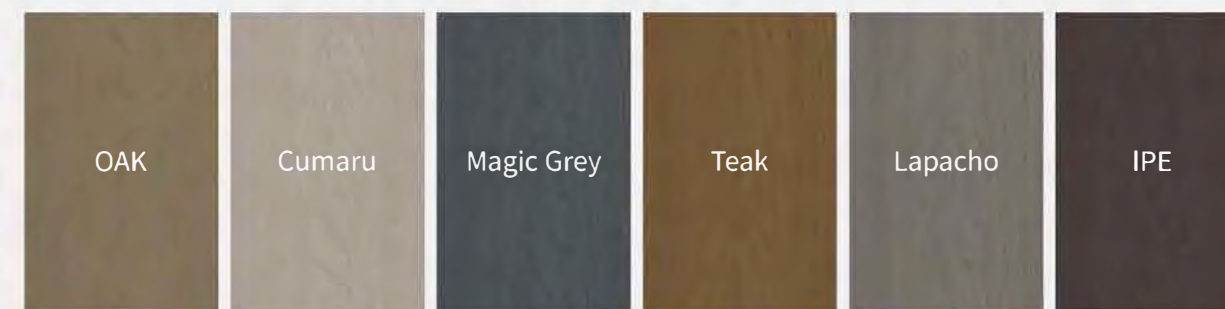
About Sandblasted Wood Co-extrusion WPC

Sandblasted Decking is the exclusive innovation product. The frosted and durable surface provides a superb anti-slip performance.

Applications

- Hotel decking
- Shopping mall
- Patio or Terrace
- Docks or Marine
- School or Hospital
- Refreshment bars or Seaside restaurant

Colors

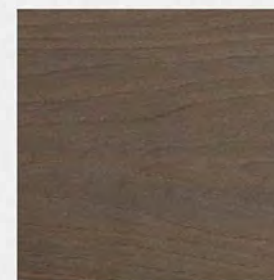


Ultra-matte surface and luxury colors of Sandblasted decking create an excellent permanent and gorgeous look which stand out from all other composites deckings. With its ultra slip resistance performance, Sandblasted decking is perfect for demanding projects.



Details:

- Hard wearing
- Natural woodgrain
- Ultra-matte surface
- With 1.5mm thick outlayer
- Fully capped with modified HDPE
- HDPE: 30%; Wood Fiber: 60%; Addictives: 10%

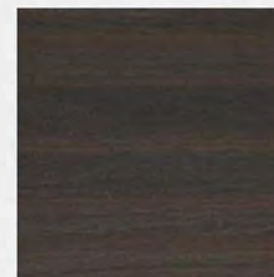


Profile Size(mm): W139*H23
Description: Decking

Sandblasted composite decking as an exclusive building material is specially designed for both commercial and residential application where needs luxurious appearance and superb slip resistance.

Technical Test Data of Sandblasted Wood Co-extrusion WPC

Tensile Strength	19.1 MPa (Standard: ASTM D638-14)
Flexural Strength	25.3 MPa (Standard: ASTM D7032-17 and ASTM D4761-13 Section 8)
Impact strength	Maximum depth of residual indentation: 0.26mm (Standard: EN 15534-1:2014)
Swelling in Thickness	0.18% (Standard: EN 317:1993)
Abrasion Resistance	Wear index: 13.2mg/1000r (Standard: ASTM D4060-14)
Slip resistant	R11 (Standard: DIN 51130:2014)

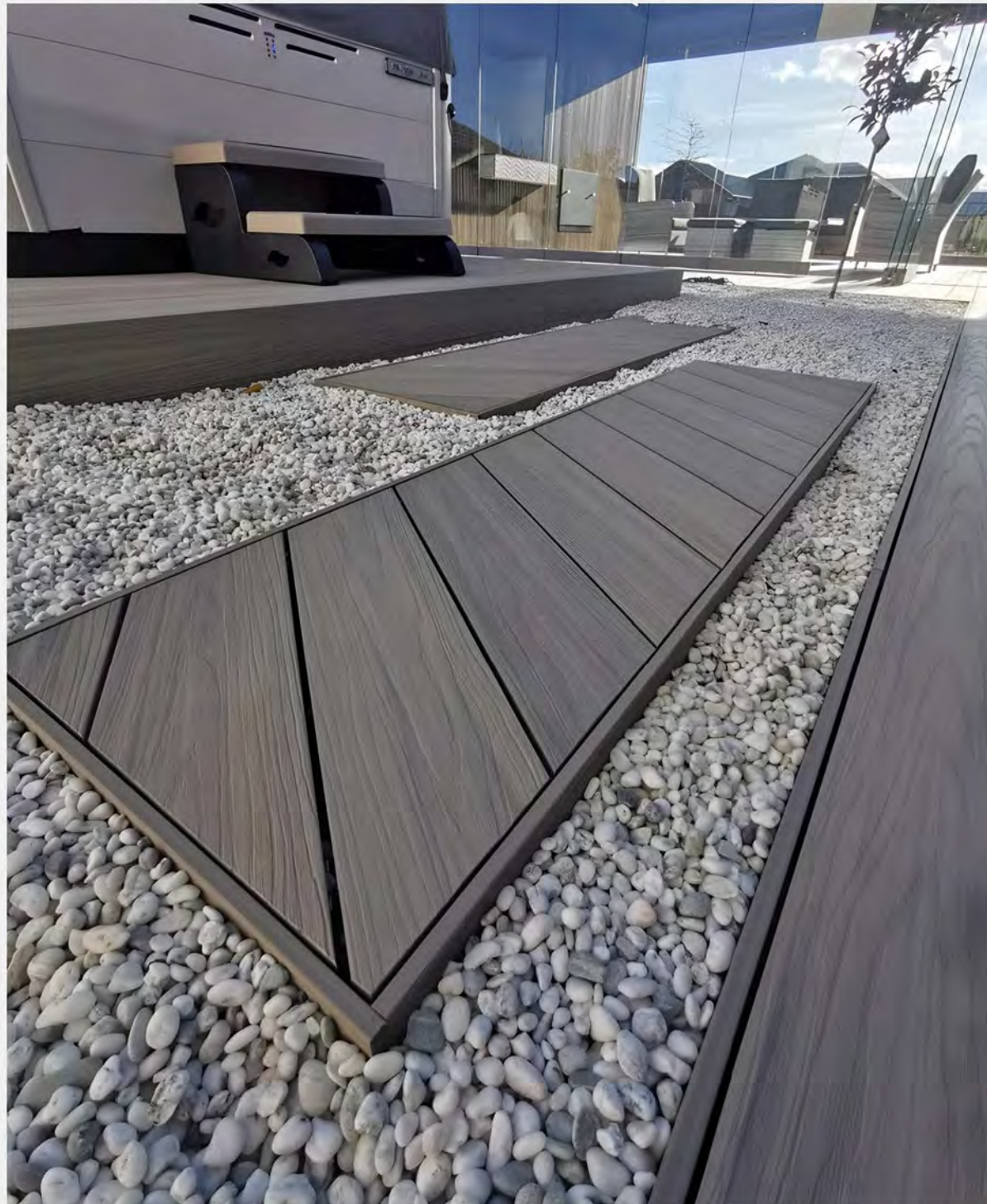


Profile Size(mm): W140*H22
Description: Decking

Sandblasted Decking is made of high density polyethylene combined with wood fibers. The durable polymer out layer of Sandblasted Decking creates an armor that resists fading from sun, stain from foods, scratch from chairs.

Sandblasted Wood Co-extrusion WPC Projects Show

Sandblasted decking is a perfect choice for the places where need excellent slip resistance. It combines classic and grain patterns with unbeatable performance.



Why choose?

The exclusive formula of sanding surface makes the decking superb slip resistance with grade of R11 which is unsurpassable by any other composite decking. It is also an ideal choice for commercial places where anti-slip is highly concerned.

Sandblasted Co-extrusion Decking's unique deep embossed wood grain finish and sanding texture offer a high anti-slip resistance due to its coarse deep wood finish. It is ideal in every day environments, bringing safety and looks to application areas.



The Sandblasted Wood Collection does not require treatment, it continues to save your time and money year after year with a 10-20 years warranty. With updated formula and stable performance, Sandblasted Co-extrusion collection does not require extra treatment. It represents an easy-care outdoor decking solution which is certainly the closest thing you will get to an easy outdoor life.



Nothing offers a comfortable and safe backyard time like a premier Sandblasted Wood Composite Decking. You will never worry about children and elderly falling when they walk on the patio.

The deluxe ultra-matte appearance sets you into a peaceful paradise to enjoy the time with your beloved families and friends.



Advantages

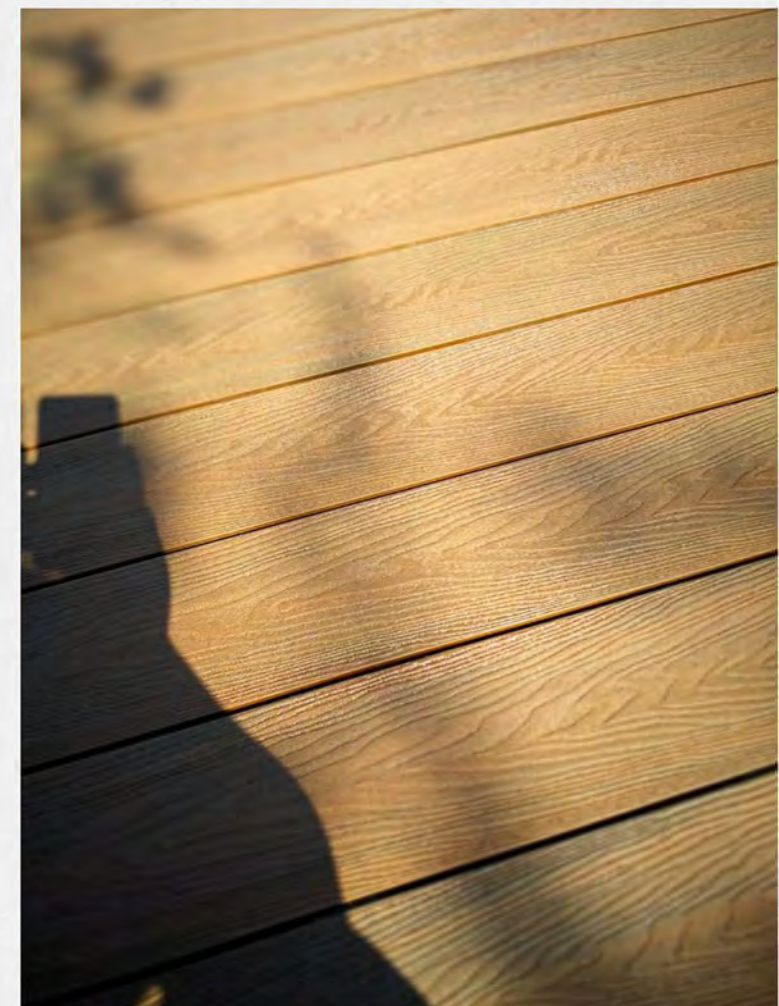
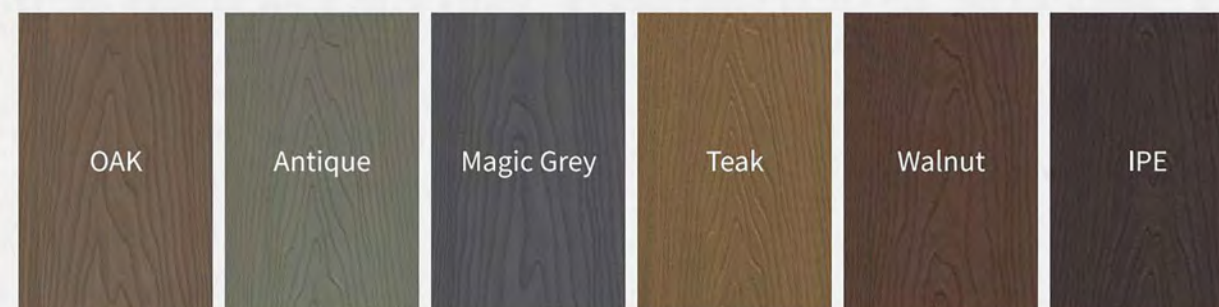
- Anti-fungus
- Super Waterproof
- Good Indentation resistance
- Excellent UV Colour protection
- Ultra anti-slip and sound absorption
- Soft texture with unique color mixture
- High quality HDPE elastomer fully capped
- Super hard-wearing and scratch resistance

Decking is designed to withstand the toughest weather conditions, while maintaining the aesthetics of timber decking. It is a good choice for outdoor applications and ideal for premium residential and commercial applications.

Applications

- Gym and park
- Swimming pool
- Garden walkway
- University School
- Patio and Balcony
- Seaside restaurant

Colors



Decking boards are available in six colors and feature an unexceptionable deeply embossed wood grain on one side and light drawing lines on the reverse for maximizing usability. Its soft surface is in a beautiful 3D wood grain pattern and with unique colors.



Details:

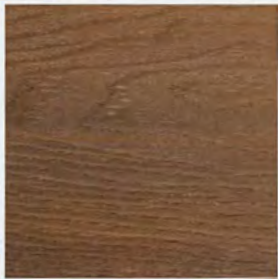
- Soft Texture
- Sound Absorption
- 1.5mm Thick Layer
- Natural Woodgrain Pattern
- 360 degree HDPE Protective Outshell
- HDPE: 30%; Wood Fiber: 60%; Addictives: 10%



Profile Size(mm): W150*H23
Description: Decking

With anti-slip, sound absorption, soft texture, and UV resistance, decking give you an unprecedented experience of eco-friendly composite decking.

Technical Test Data	
Tensile Strength	1.85 N/mm² (Standard: EN 319:1993)
Impact strength	Max. depth of residual indentation: 0.11mm (Standard: EN 15534-1:2014)
Brinell hardness	61N/mm² (Standard: EN 15534-1: 2014)
Water absorption	0.43% (Standard: ASTM D570-98)
Abrasion Resistance	Wear index: 12.4mg/1000r (Standard: ASTM D4060-14)
Slip resistant	R11 (Standard: DIN 51130:2014)



Profile Size(mm): W145*H21
Description: Decking

With fully capped HDPE elastomer and excellent performance of UV resistance, Wood creates a safe and enjoyable paradise for your outdoor living.

Projects Show

High-performance, low-maintenance composite decking combines unprecedented durability and beauty, which has become the trend of decoration. It is designed to match various occasions and harsh weather conditions, an ideal solution for outdoor decks, including the place like gardens, swimming pool, seaside walkway etc.



Why choose?

Composite decking is known to its soft surface, distinctive and contemporary design, brings outdoor decking into a new stage.

Compared with traditional timber decking, This Collection does not require maintenance and it will continue to save your time and money year after year.



Wood Decking comes with a 10-20 years warranty, you will not worry about the rot, insects, stain, fading and cracking problem. It combines the beauty of timber wood with our toughest and most resilient finish, gives you the unprecedented experience.



Wood is a fine deck which would aesthetically compliment the modernity of the house and maintaining the natural and environmental appeal of their house. The premium Wood Composite Decking with professional installation makes the ideal picture in client's mind come true.

Inspired by natural timber, Wood Decking provides the infinite charm and timeless beauty to your outdoor space. The sculptures woodgrain leads you to explore the poetic world of integration with nature and creates your own beautiful outdoor paradise!



05

Advantages

- Easy installation
- No cracking or bending issue
- Minimal maintenance required
- Natural finishing like real wood
- Durable for outdoor environment
- Multiple profiles and texture for choices
- Competitive price and guaranteed quality
- 100% Recyclable and environmentally friendly
- Fire-Resistance class: Decking Bfl-s1, Cladding Bs1d0 available on request

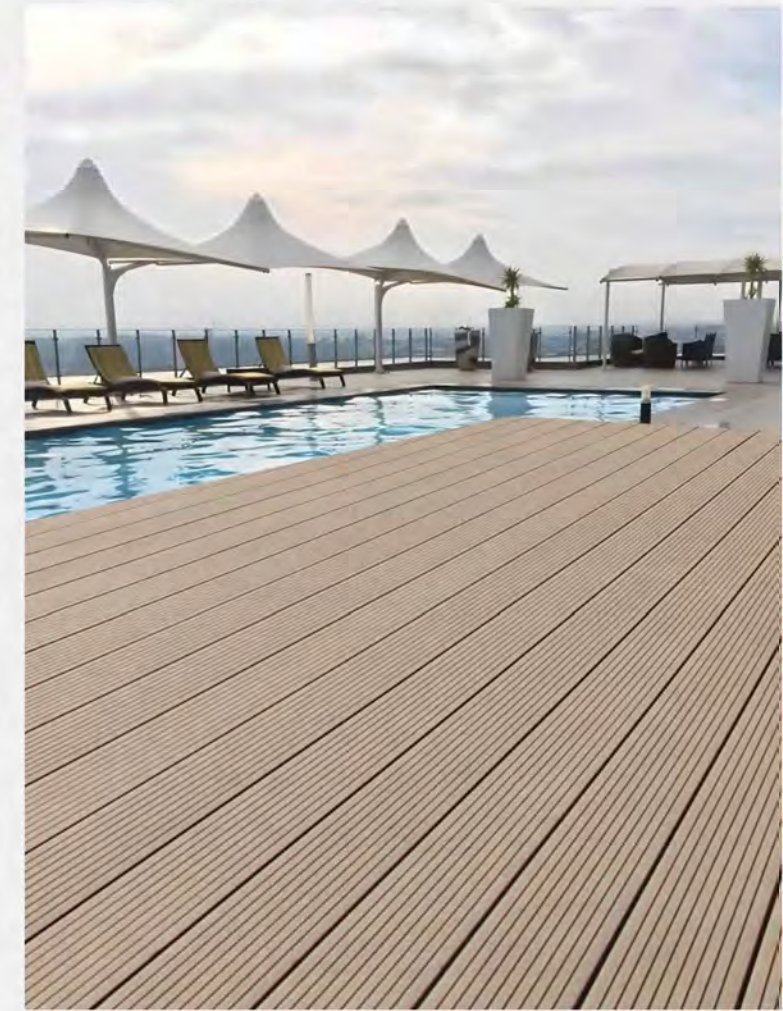


About Wood WPC

Wood plastic composite decking changes the concept of timber, which does not swell, split, crack or warp. They are durable and hard-wearing, and has become the residents' favorite choice for outdoor living.

Applications

- Seaside restaurant
- Outside refreshment bars
- Shopping mall and Hotel decking
- Garden and Private swimming pool
- Parks and tourism spots public area
- Architectural wall cladding and decoration



This Decking is the most economic choice if the budget is limited.

Colors





Details:

- Non-cracking
- Weather resistance
- Ultra Low Maintenance
- Natural wood appearance
- HDPE: 30%; Wood Fiber: 60%; Addictives: 10%

Technical Test Data	
Tensile Strength	19.2 MPa (Standard: ASTM D4761-05)
Coefficient of friction	μ=0.25 (Standard: EN 13893)
Impact resistance	35J (Standard: ASTM D4495-00 (2005))
Linear thermal expansion	1.06x10-4 (1/°C) (Standard: ASTM D696-08)
Shore hardness	A/72/1 (Standard: ASTM D2240-05)
Water absorption	2.9% (Standard: EN 317)
Artificial weathering	1000 hours, Gray scale 2-3 (Standard: EN ISO 4892-2 Method A)



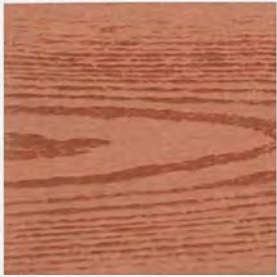
Profile Size(mm): W135*H20
Groove: 2D wood grain decking



Profile Size(mm): W140*H21
Groove: 2D wood grain decking



Profile Size(mm): W140*H25
Groove: 2D wood grain decking



Profile Size(mm): W138*H22
Groove: 2D wood grain decking

Embossed Decking



Profile Size(mm): W145*H25
Groove: 3D wood grain decking



Profile Size(mm): W140*H25
Groove: 3D wood grain decking



Not only 2D wood grain is feasible for 1st generation composite wood, it has been updated with 3D wood grain on decking and wall cladding, which is called Deep Embossed Conventional Wood. It is a much more cost-effective WPC decking option, which has the beauty of co-extrusion composite but at 1st generation price.

The apperance of embossed decking makes it more authentic, which gives the modern architecture design a natural finishing touch.

WPC Wall Cladding
and DIY Tile



Profile Size(mm): W156*H21 Groove:
2D wood grain Wall Cladding



Profile Size(mm): W219*H26
Groove: 3D wood grain Slatted Cladding



Flexible locking system allow you to lock tile from any side, and create the distinctive pattern or change it anytime you like.



Profile Size(mm): W300*H300
Description: DIY Tile



Profile Size(mm): W300*H300
Description: DIY Tile

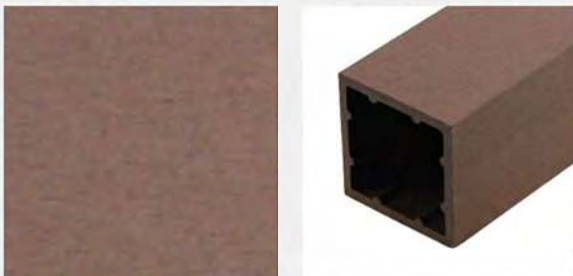
WPC Fencing Picture Show



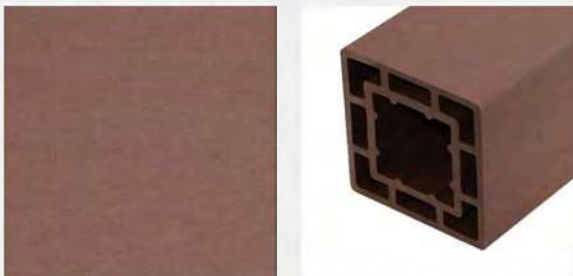
Profile Size(mm): W200*H80
Description: Fencing



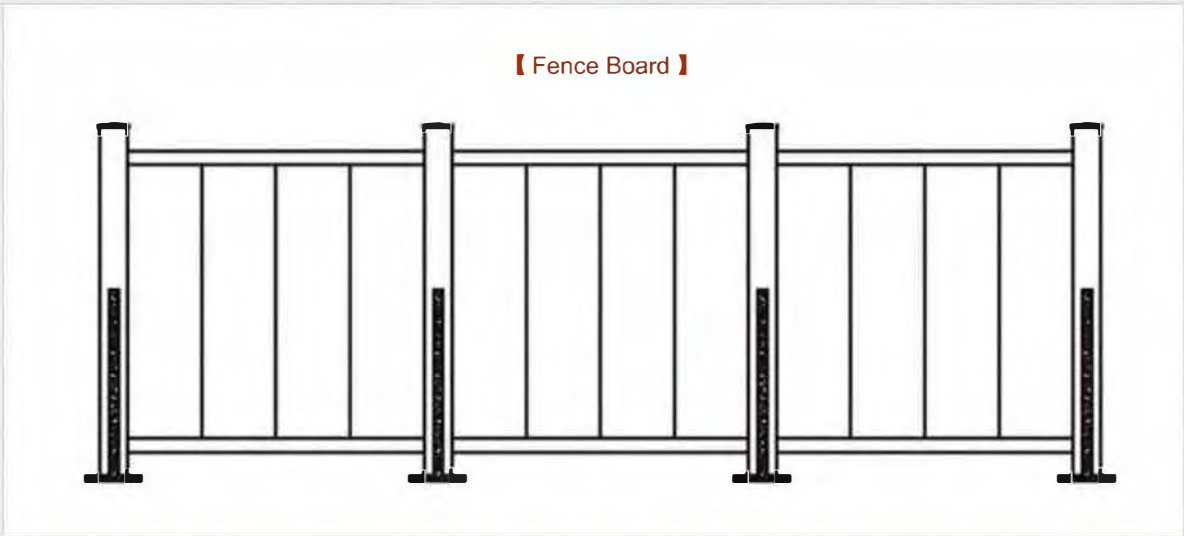
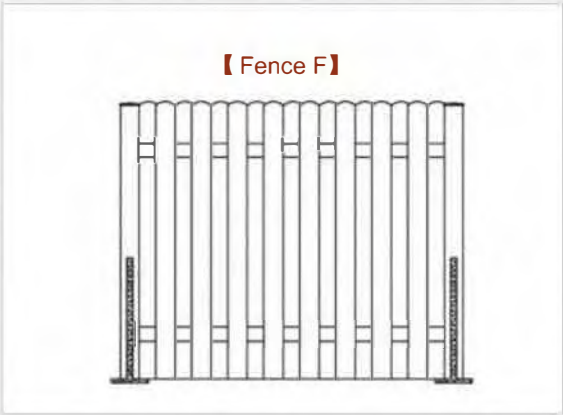
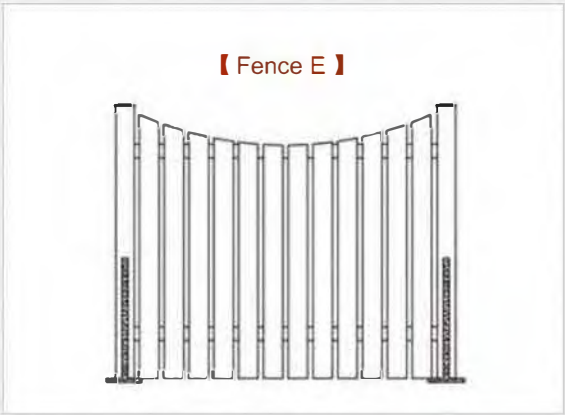
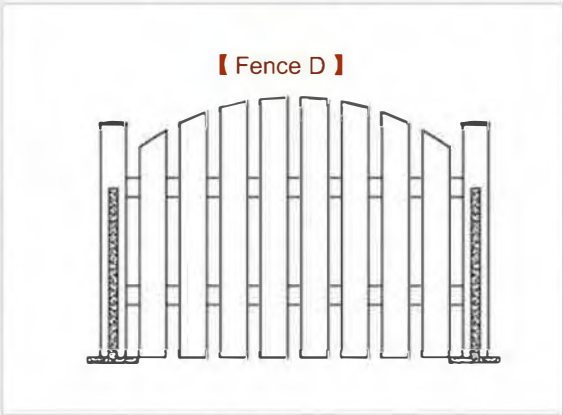
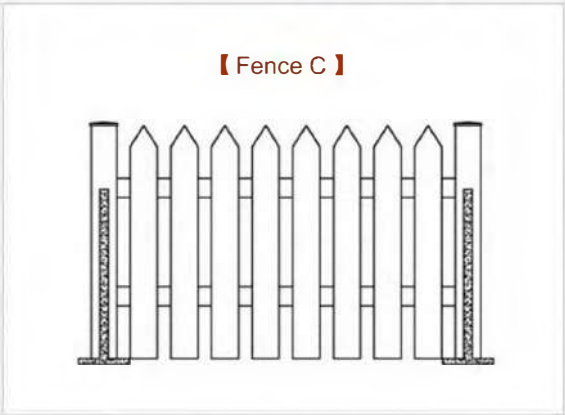
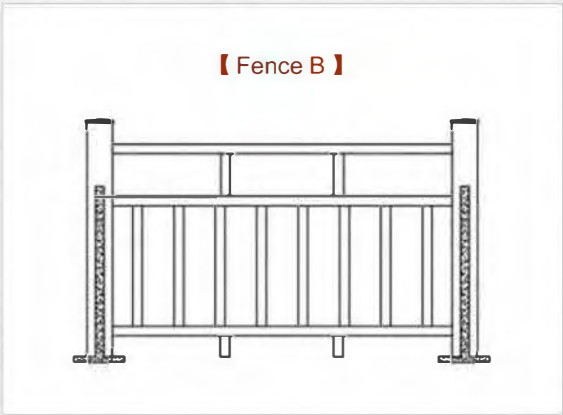
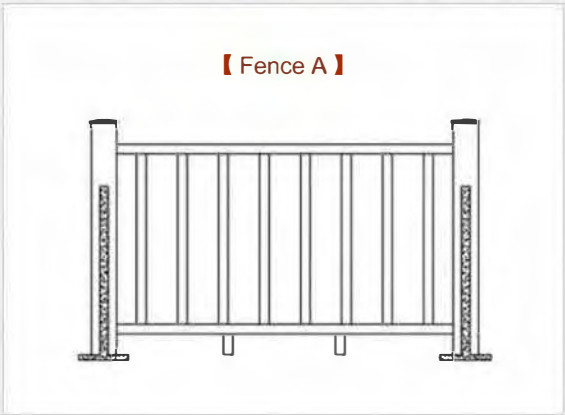
Profile Size(mm): W85*H45
Description: Fencing



Profile Size(mm): W80*H80
Description: Fencing

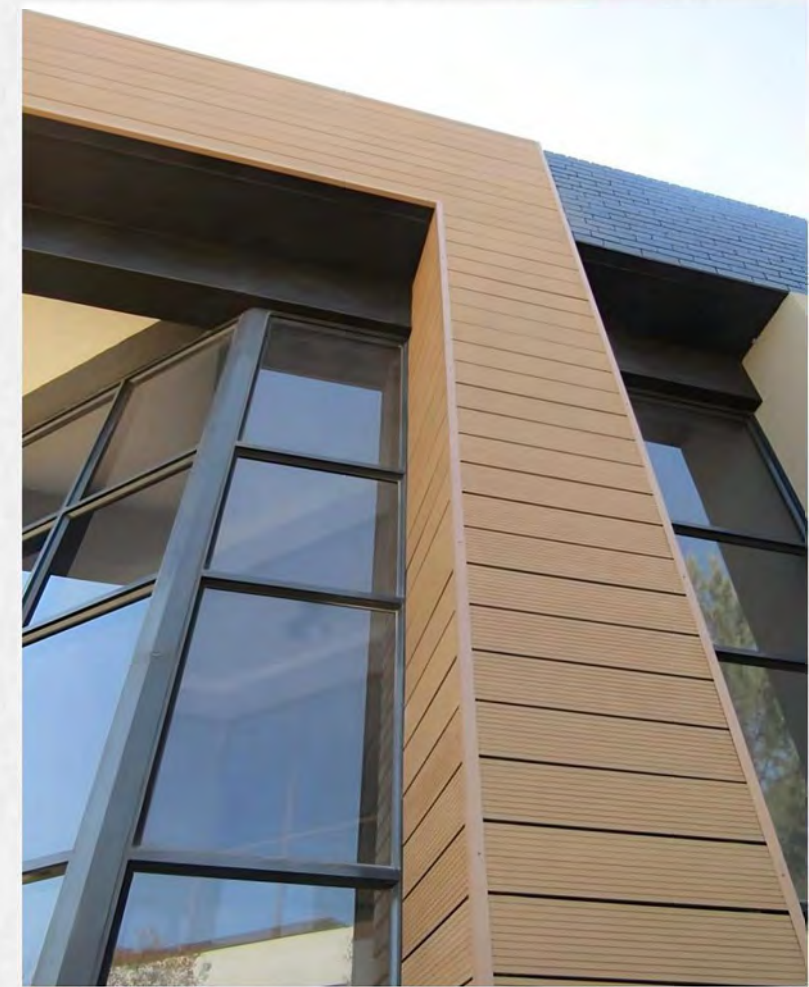


Profile Size(mm): W120*H120
Description: Fencing



Why choose?

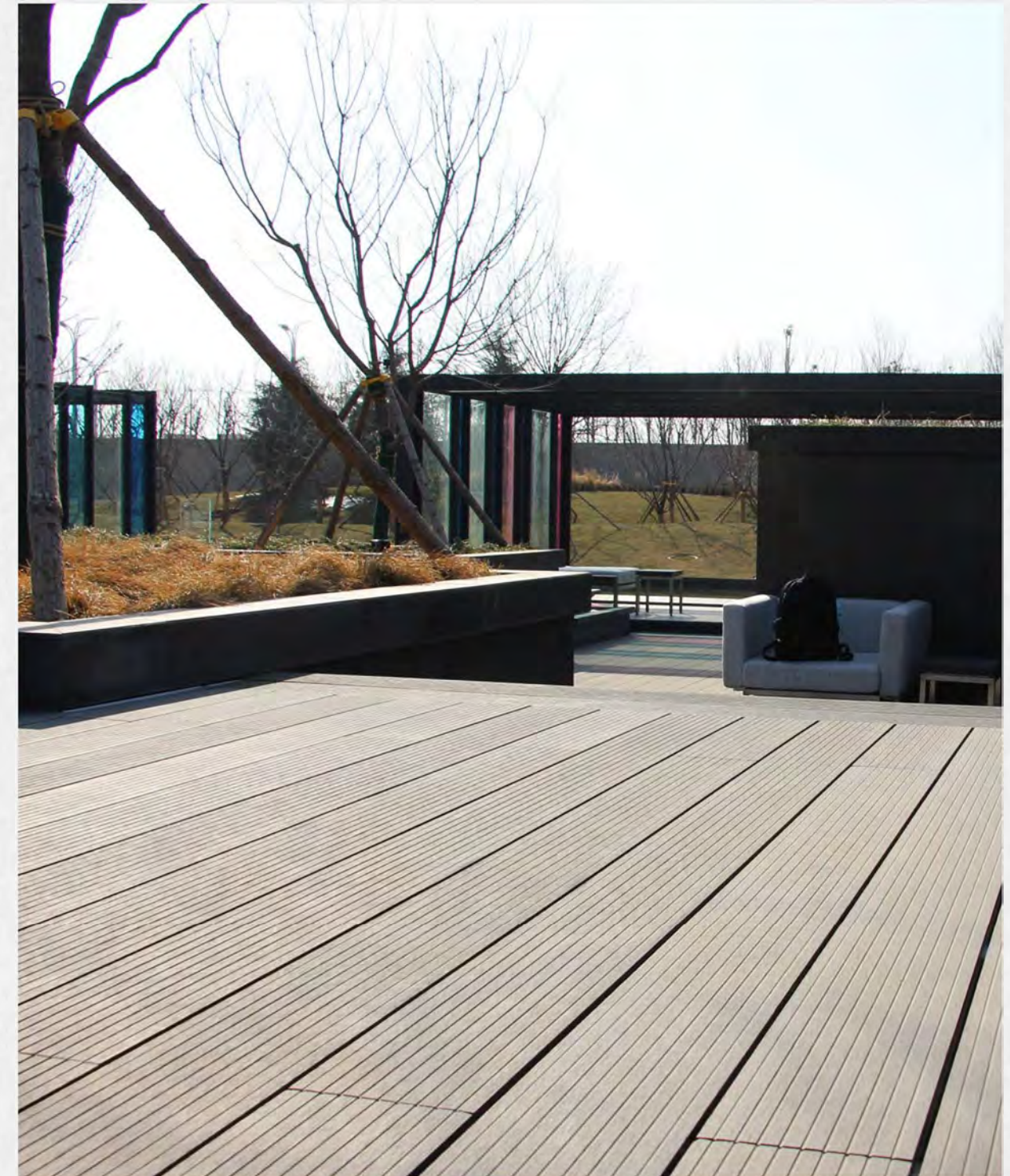
As an environmentally friendly alternative to wood, Wood Plastic Composite (WPC) is specially design for outdoor living with its exceptional durability and weather resistance. Although it is alternative to wood, it looks exactly like wood.



If you are yearn for returning to nature to relax your spirit and feel the novelty and romance of life, Conventional Wood Composite Decking will meet all your fantasies about nature. No matter the wood grain appearance, touching and color composite decking will take you to enjoy your home with vitality. Conventional Wood Decking' s natural wood grain and the wood touching set you free from the hustle and bustle from the outside world.

Wood WPC Projects Show

Composite wood products offer the beauty of wood but without the drawbacks of potential corroding or splintering. When you choose composite, it means that you can have a great-performing product without the need for oiling or painting etc., and WPC will continue to last without rotting, cracking or splintering.



Wood plastic composite can be applied to decking, wall cladding, fencing, tiles, post and more, becoming the best choice for outdoor living.



Conventional Wood as the primarily alternative to natural wood timber, offers a better and more contemporary choice for outdoor building material in the market.



The unbeatable performance and undeniable beauty of Conventional Wood Composite Decking are the most important reasons that make it such an appealing option for outdoor living.

With minimal need to invest time and effort in its upkeep compared with the regular cleaning and sealing routine required with real wood, composite decking could work out to be a better value choice for you than traditional timber. Choosing Conventional Wood Composite Decking, you can get maintenance-free and vibrant color shade on one project.



Solid Joist for decking
Profile Size(mm): 40*25



Solid Joist for decking
Profile Size(mm): 40*30



Starting/Ending Clip (304)



Starting/Ending Clip (304)



Stainless Steel Clip
(304)



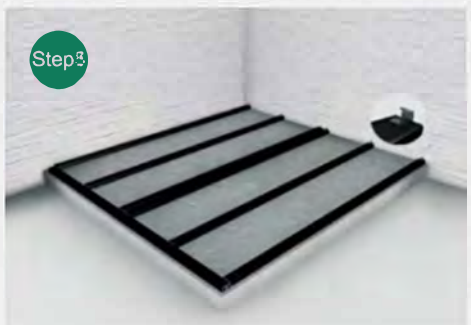
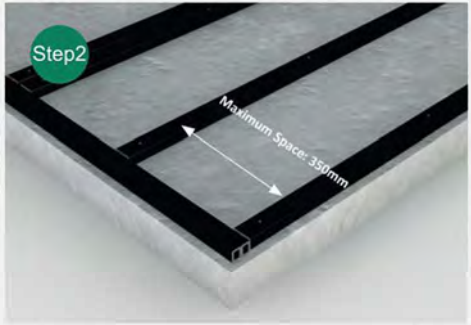
Plastic clip (PP)



Locking Clip



Screw



- Step 1: Make sure the ground is flat.
- Step 2: The maximum recommended joist space is 350mm.
- Step 3: A 15mm gap should be left between the ends of joists and wall to avoid expansion
- Step 4: A starter clip needs to be fixed to the end of the WPC joists before laying the first board.
- Step 5: Put the first board and fix it to each joist it crosses using a row of starter clips.
- Step 6: T-clips into the groove along the side of the board and screw them into the joists with the screws provided.
- Step 7: Fit the next board by sliding it onto the T-Clips to secure the first board. Then repeat the above steps.
- Step 8: The ends of boards must be fully supported. No overhang is allowed.
- Step 9: Use fascia board to cover the end of decking to achieve the finish look.