

谊和木
HOHEcotech®



黄山华塑新材料科技有限公司

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FOCUSED ON
COMPOSITE DECKING
MANUFACTURING
SINCE 2007

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HOHEcotech®



COMPANY PROFILE

Founded in 2007, HOHEcotech® is a national high-tech enterprise specializing in the research, development, production and sales of new environmentally friendly materials, wood plastic composite profiles.

We have an annual capacity of more than 1,500 containers, and with over 200 employees. The company has successively passed the ISO9001 quality management system, ISO14001 environmental management system certification and BSCI social responsibility audit, and passed many international certifications such as CE and Reach.

HOHEcotech® is environmentally friendly because 90% of the raw materials we use are made from recycled wood flour and recycled HDPE - that's pretty much what the entire product is made of. Most importantly, during the production process, the technology we use is currently the most advanced and environmentally friendly, effectively recycling factory waste and eliminating the use of harmful chemicals. 16,000 tons of recycled wood and 10,000 tons of recycled HDPE can be recycled every year, which can reduce wood felling by 20,000 tons.

HOHEcotech® provides consumers with a truly safe and healthy choice. We believe that sustainability and the recycling of recycled materials are vital to our environmental future. Choose our WPC profiles and join us in caring for the environment and the earth.



WHY CHOOSE US!



Trusted Manufacturer of Sustainable Co-extrusion Composite Decking.



50 wood-plastic production lines with an annual production capacity of 30,000 tons.



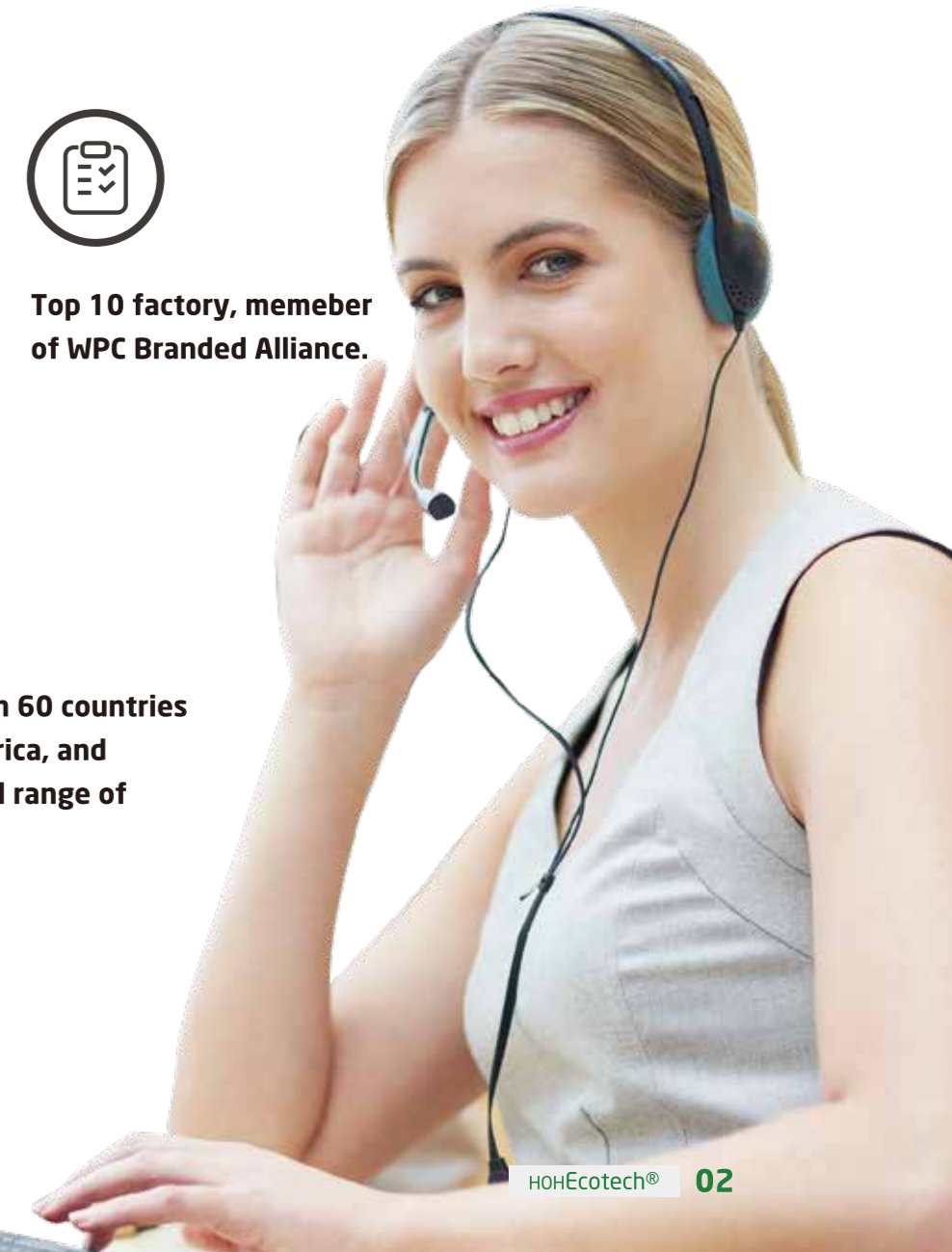
Top 10 factory, member of WPC Branded Alliance.



15% of the products are sold domestically and 85% are sold abroad.



Products are exported to more than 60 countries including Europe, America, Asia, Africa, and Oceania. Abundant moulds with full range of styles.



TESTING EQUIPMENT



UV Accelerated Weathering Tester

Material Universal Testing Machine

refrigerator -40° C

Taber abraser

Boiling Test

Differential Scanning Calorimeter

Friction tester

High Precision Densitometer

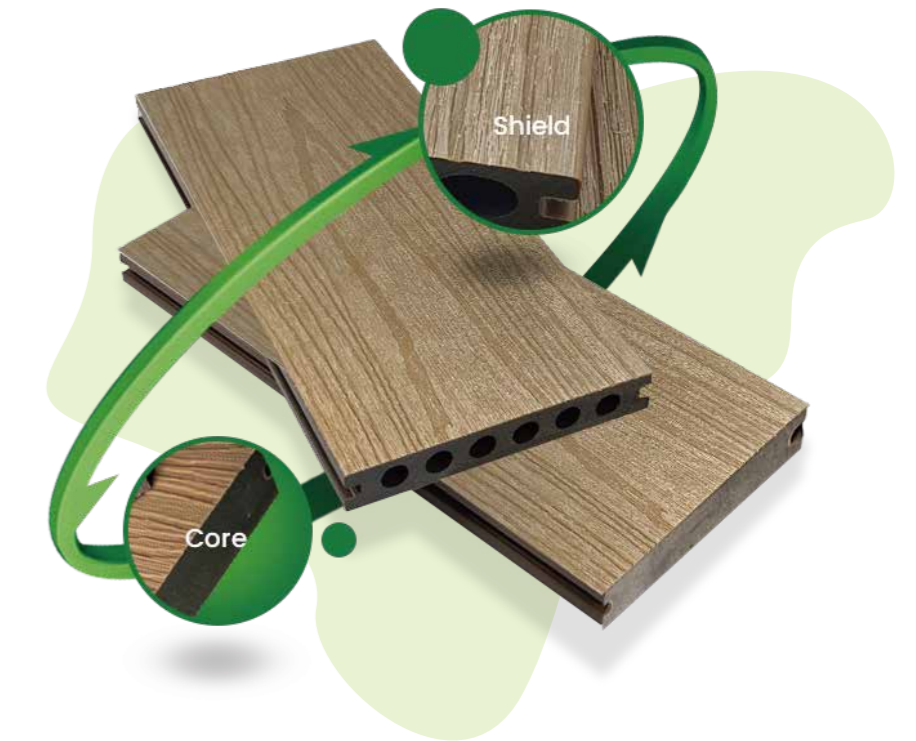
QUALIFICATION CERTIFICATE



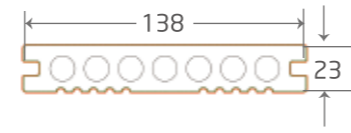
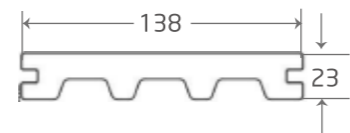
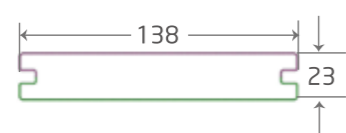
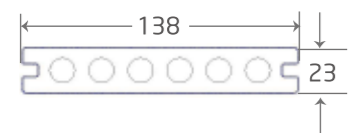


CO-EXTRUSION COMPOSITE DECKING

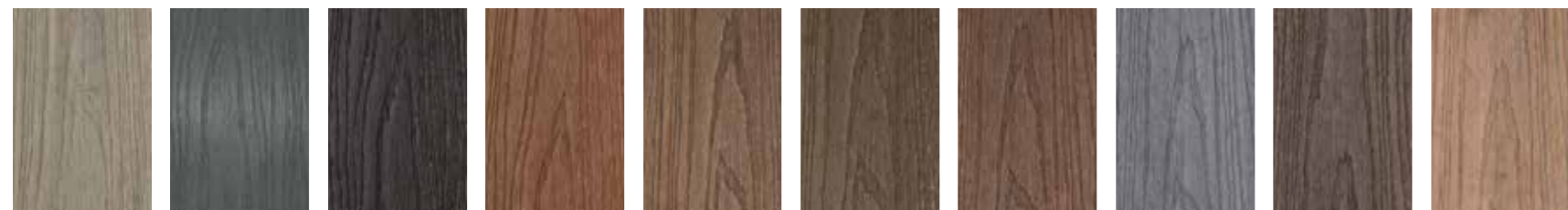
HOHEcotech® Co-extrusion composite decking is due to its core made of wood fibers and high-density polyethylene plastic and its outer shell made of a polymer that cover the entire board, making it impervious to staining, scratching and fading.



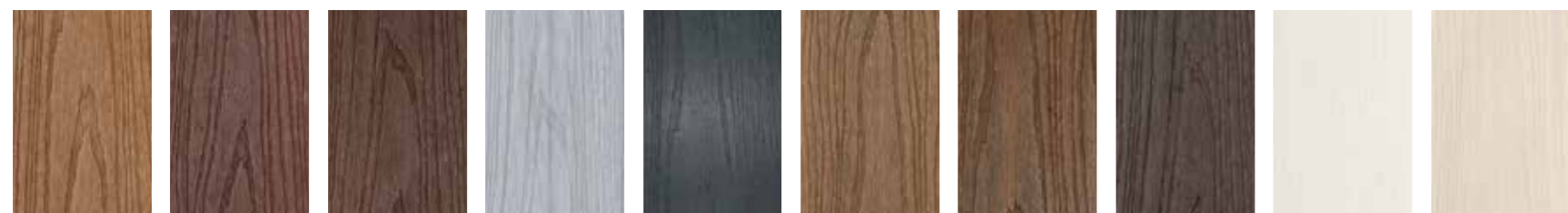
- Waterproof
- Fire-resistant
- Long service life
- Eco-friendly
- Easy to install
- Low maintaining
- Less color fading
- Anti-UV
- Colorful



Color Swatch



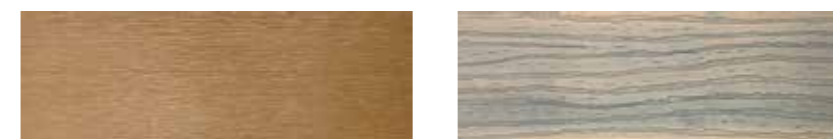
Antique Ash Grey Charcoal Coffee Copper Brown Dark Brown IPE Light Grey Light Walnut Maple



New Teak HT Red Redwood Smoke White Slate Grey Teak Teak-3 Walnut White Sand

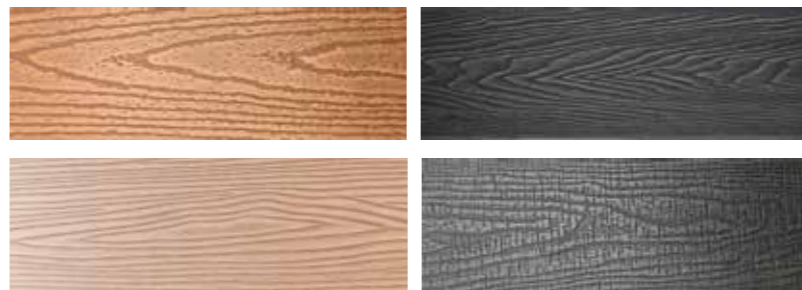


Wood Grain



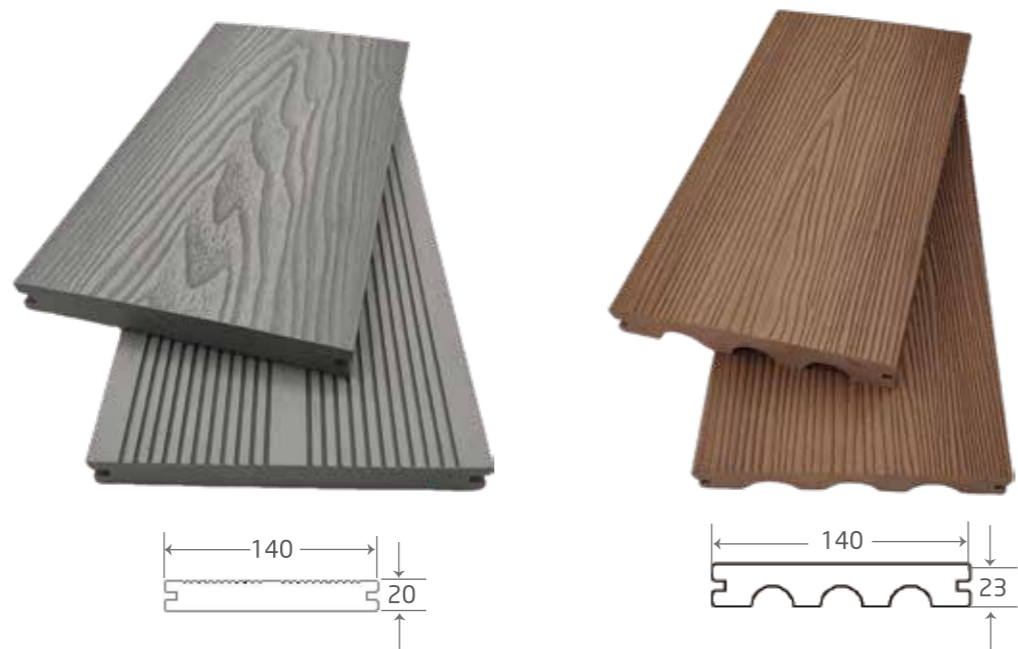


Wood Grain

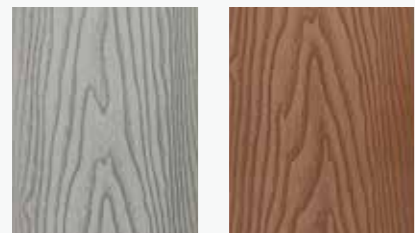


3D COMPOSITE DECKING

The manufacturing process of 3D composite decking differs from that of classic composite decking. During the extrusion of the boards, the surface texture is simultaneously processed online, eliminating the need for secondary embossing. When you touch the surface with 3D embossed patterns, you'll experience smooth and clear lines, along with rich textures, creating a dynamic sense of depth.

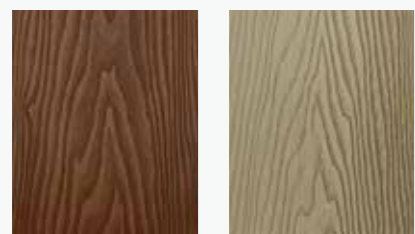


Color Swatch



Stone Grey

Cedar



Wood

Sandal Wood



Coffee

Dark Grey



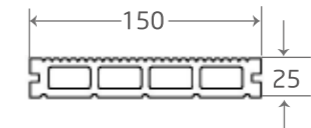
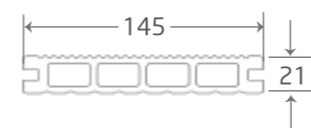
Mocha

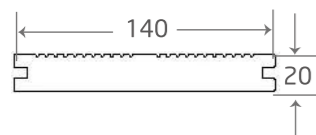
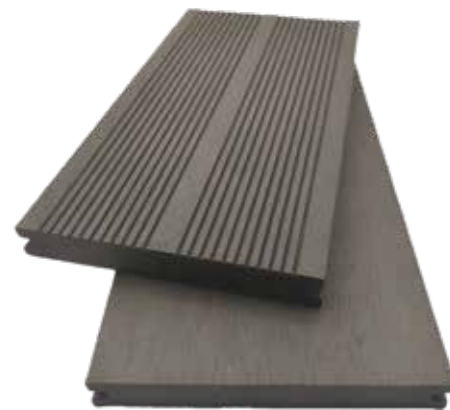
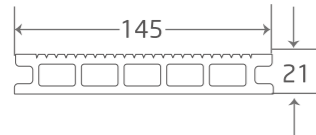
Grey



CLASSIC COMPOSITE DECKING

Classic composite decking is made from the mixture of wood powder, plastic, pigments and some additives under advanced extrusion technology, which presents a clear, naturally textured surface to exude a minimalist and luxurious style.

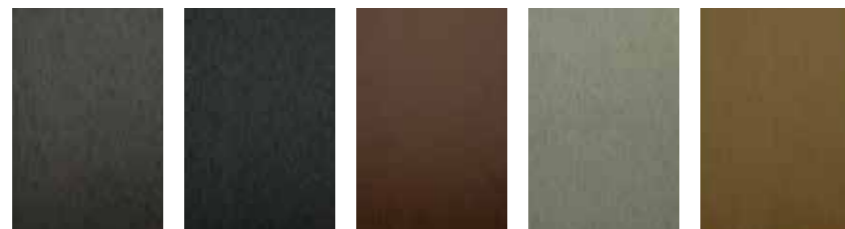




Color Swatch



Cedar Copper Brown Wood Sandalwood Coffee



Grey Dark Grey Mocha Ivory Teak



Stone Grey Copper Brown Wood Sandalwood Coffee

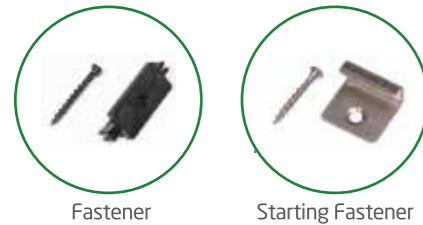


Dark Grey Mocha Ash Grey Teak Walnut



DECKING INSTALLATION GUIDE

Installation Fittings



Fastener Starting Fastener

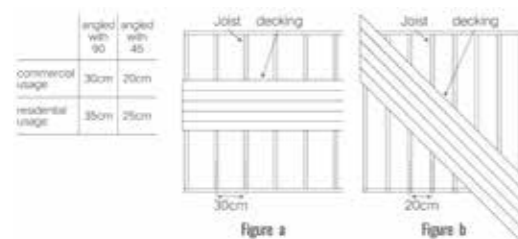
Installation Steps

Step 1 fixing joists

Joist must be fixed onto flat and hard ground. It is recommended to use treated pine wood joist or wpc joist, Adequate spacing in the joists is required to keep the decking boards from bending. For residential project, the joists span Centre to Centre should be less than 35cm; for commercial project, the joist span Centre to Centre should be less than 30cm. If joist span on center-to-center with angled decking the span should be 10cm less than normal guirement.



Joists Span Commercial Decking Installation

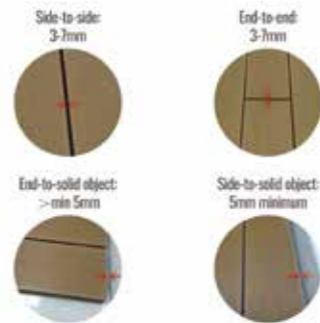


Step 2 installing wpc decking

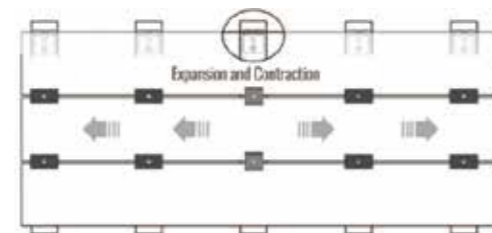
Make sure to always pre-drill the wpc profiles before fastening wpc decking. Make sure to leave enough gaps because wpc decking boards will be subjected to expansion and contraction due to temperature changes. Expansion and contraction are most significant where extreme temperature changes occur. Fastening the decking planks according to the gapping requirements noted in the following key point.

Key point

- Side-to-side gap between boards: 3-7mm
- End-to-object and side to object gap: Min 5mm
- End-to-end gap:3-7mm. Decking installed in winter should leave more gap than installed in summer due to the expansion and contraction.



The first board should be locked by starting fastener. When installing boards with one fulllength across the decking, we recommend using the none-walking clips to lock the board inthe middle to make sure the board will not move and to allow for expansion and contraction to take place on both ends.



When installing two boards across the decking,none-walking clips are recommended to be used at the butt joints to ensure proper gapping during expansion and contraction as shown in Diagram. When installing end-to-end decking a double-joist must be used so that each individual board sits on its own joist to ensure that the board will not slide off the joist. Also, there needs to be a minimum of 5 mm (0.2inch) gap between the double-joists for water to go down between the joists and preventing swelling .



Usage for fastener

Pre-drill the joist and fix starting clips on joist, push the wpc board into starting clips as shown in below diagram.



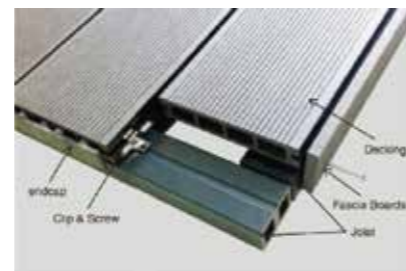
SY Series

Slide in the SY series fastener into side groove of the boards, or push another board after fixing the SY series fastene.

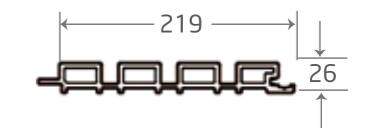
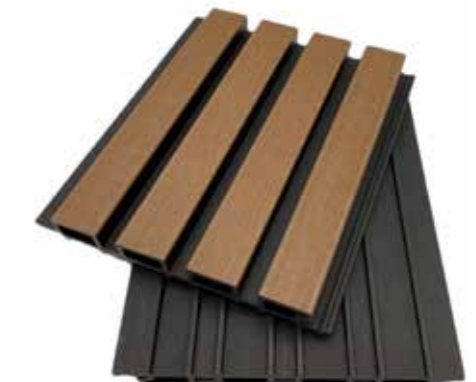


Step 3 Installation of fascia board

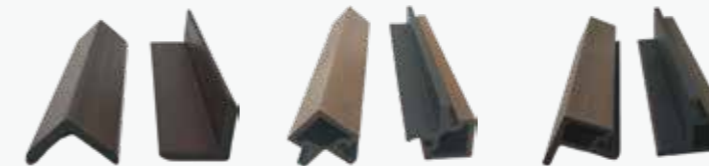
Facia board or edge cover must be pre-drilled before being screwed, and fascia board is mostly recommended. Facia board should be left min 2mm gap between wpc decking. The screws should drill into joist not decking board with facia board.Waterproof silicone can be used in the end cap in case of peeling off, and then push into the decking board.

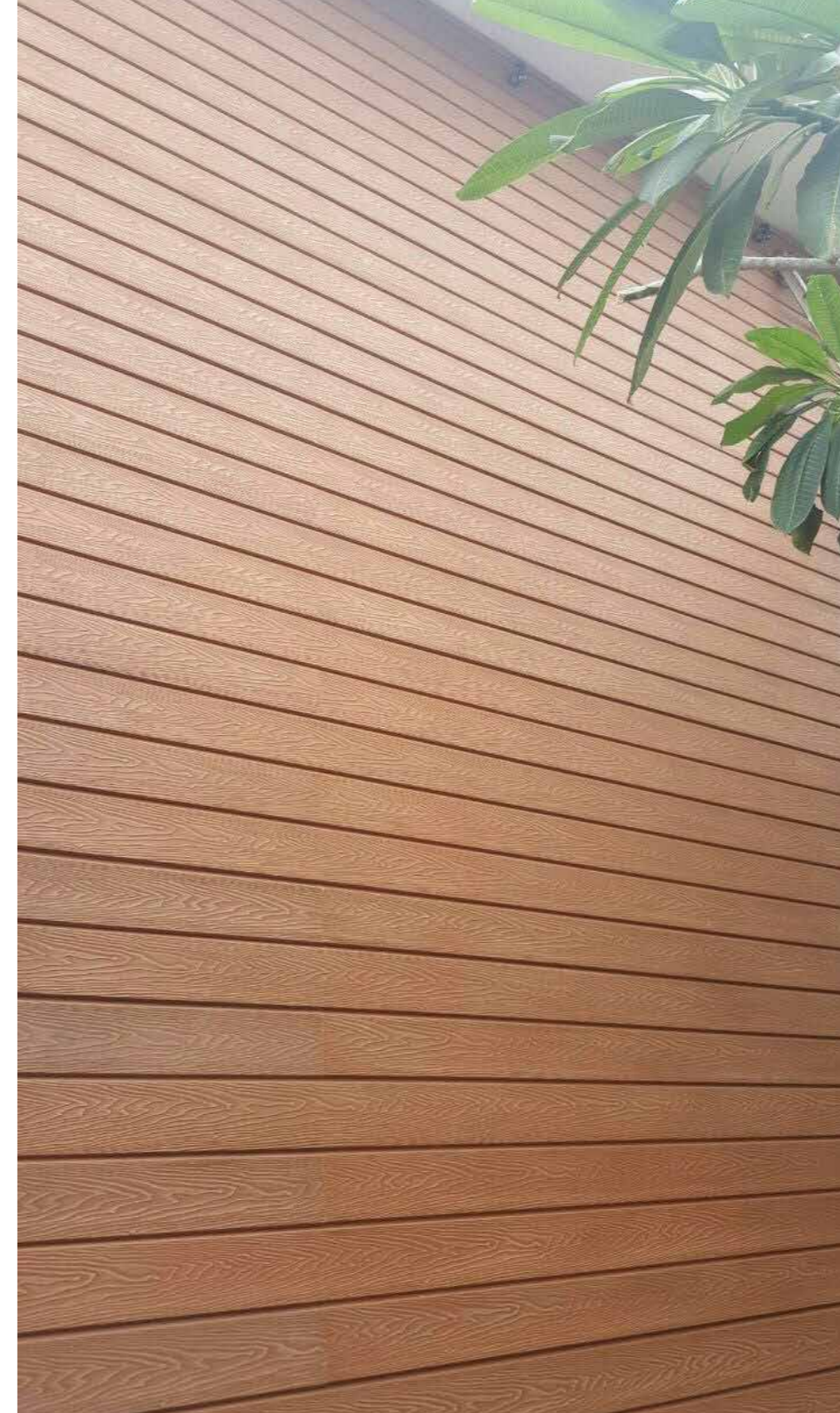


WPC FLUTED WALL PANEL



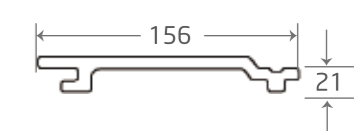
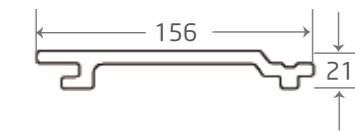
In contemporary architectural design, many wall cladding projects often lack a unique three-dimensional appearance as most designs still remain in the plane dimension. To meet the high aesthetic requirements for appearance, we have designed this co-extruded cladding board. We have employed advanced co-extrusion technology, cleverly integrating it into a new cladding design.





WPC WALL CLADDING

HOHEcotech® offers high-quality wood-plastic composite cladding designed specifically for exterior wall. It combines the natural beauty of wood cladding with added durability and low maintenance. Each piece of HOHEcotech® cladding represents a unique interpretation of architectural aesthetics, showcasing captivating natural textures while surpassing the durability of traditional wood.

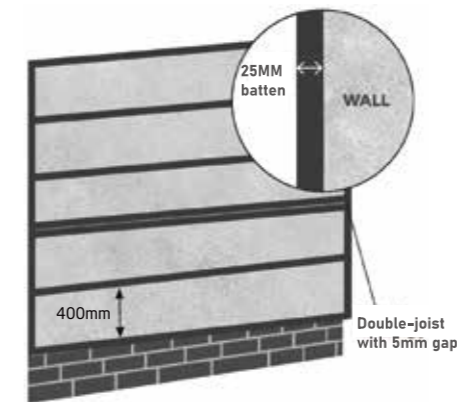




INSTALLATION STEPS

Preparation of the surface

- Ensure your application surface is clean, dry, level, and flat to installation. A badly prepared surface will affect the results of installation.
- Plan out the direction the cladding will be installed: if installing the piece vertically, your joists must be installed horizontally, and vice versa.
- We recommend using 50 x 25 mm timber joist suitable for outdoor use as support to install the cladding pieces onto, ensuring they are installed no more than 400mm apart from each other, and covering the entire length and width of the area.
- Where two cladding pieces will meet at a butt end, two battens are needed to create a double-joist, ensuring a 5mm gap is left between both joists.
- We recommend edging the perimeter with joist to ensure no visible gaps between the wall and the cladding, as well as preventing debris and pests from entering the gaps.



Note: Please ensure that your batten are at least 25mm thickness to allow for sufficient air flowing between the wall and the cladding pieces.

Installation

Step 1

- Lay out the different pieces priorly before intallation to ensure a good balance of colours.
- Inspect each piece to ensure there is no defects (if defective pieces are installed, the warranty will be void in respect to those pieces).

Step 2

- Starting from the corner, place the first piece ensuring it is level and that the grooved lip faces the direction you will be installing. Pre-drill, then screw the grooved lip of the profile to the batten. Starting at the top and ensuring that the piece is secured to every batten underneath.
- Ensure that the screw head sits flush within the groove, so that the next piece can be connected seamlessly.

Step 3

- Repeat the process until the wall is completed.
- If the cladding is being installed around a corner, cut the piece to the appropriate size to finish installation.
- Where cladding pieces meet at a butt end, a 5mm gap must be left to allow for expansion during extreme temperature



5mm gap at butt end

Finishing

- You may use the matched edge cover along to top, bottom or sides of your installation for a finished look. If installing an edge cover at the bottom, we recommend to also install an edge cover at the top to avoid water becoming trapped.
- Pre-drill the corner piece and secure along the length by using the same screws during the installation of the cladding pieces.
- When joining two edge cover at a butt end, ensure a 5mm expansion gap is left .

WPC DIY TILES

HOHEcotech® WPC DIY tiles are a compact and personalized composite decking option. Made from wood-plastic composite materials, it combines the advantages of natural wood fibers and synthetic plastic materials. In comparison to traditional long boards, WPC DIY tiles excel in terms of installation. Simply align the grooves, gently press, and they easily secure without the need for additional accessories and tools.



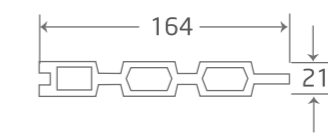
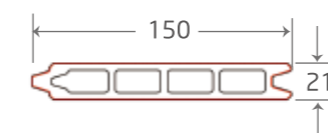
Installation method





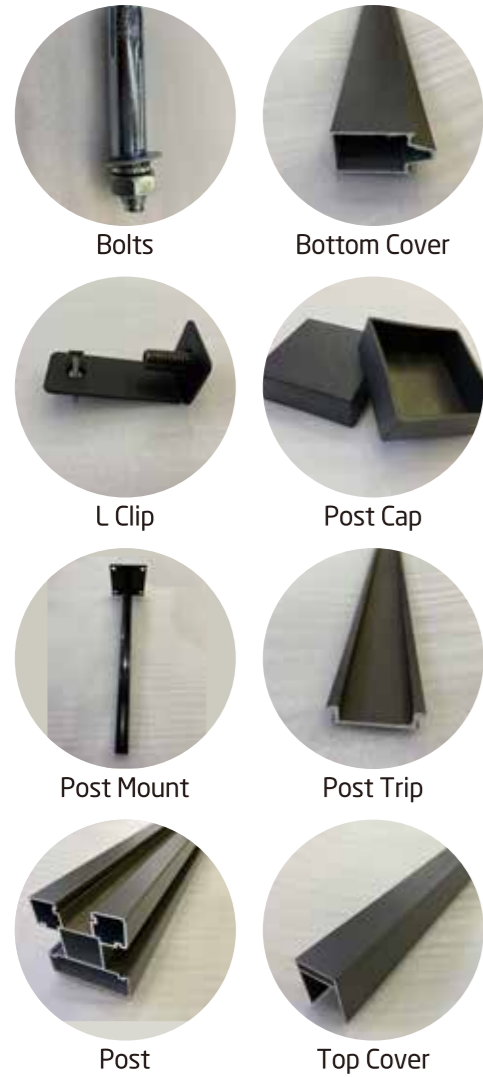
WPC FENCE

Welcome to our innovative range of WPC fences to add a unique touch to your living space. Our proud WPC (Wood Plastic Composite) fencing combines the warmth of natural wood with the superior performance of high-tech composites to provide the perfect security barrier for your yard, garden or business grounds.

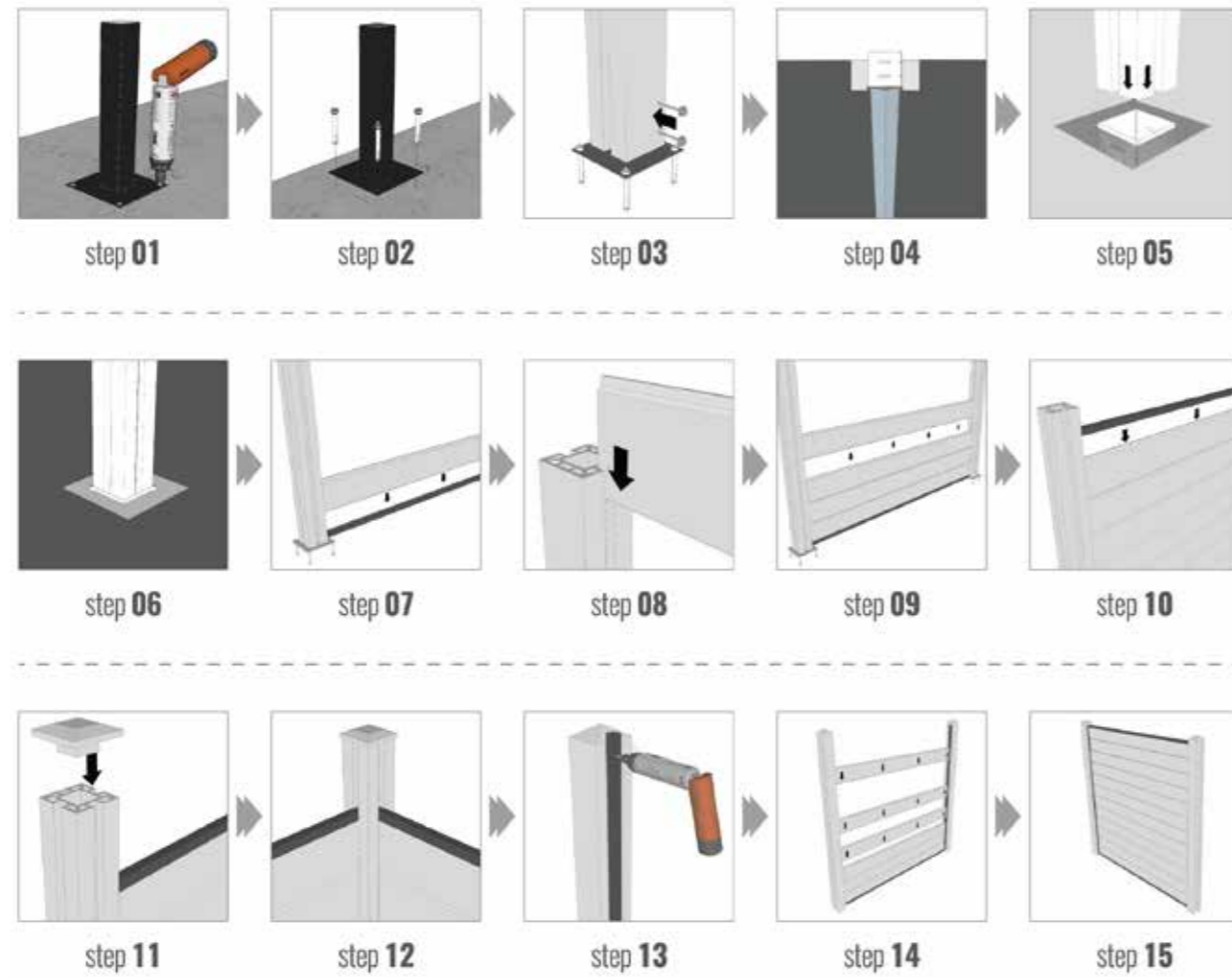


FENCE INSTALLATION GUIDE

Installation Fittings



Installation Steps



WPC LANDSCAPE PRODUCTS

