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Wood Plastic Composite

Gamme bois composite



KAGI INTERNATIONAL CO.,LTD.





Why choose us ?

- Design and innovation
- Export in more than 57 countries
- 10 patented products developed in the last decade
- Small and combined orders accepted
- More than 25 years of international trade experience

- Innovation et design
- Ventes exports dans plus de 57 pays
- 10 brevets déposés au cours des 10 dernières années
- Nous acceptons les commandes de toutes tailles
- Nous avons plus de 25 ans d'expérience dans le négoce international



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ABOUT



KAGI INTERNATIONAL CO.,LTD.

Production Workshop



Container Shipment



KAGI INTERNATIONAL COMPANY LTD has brought its expertise do different manufacturing partners, and has developed a complete range of WPC (wood plastic composite) as a perfect substitution of natural wood.

More over, since 2016, we propose a fire resistant WPC formula. We have long term relations with our customers all over the world, and have gained a lot of experience for many of our projects, showing our capacity of undertaking big scale projects with very strict standard and precision through realizations.

KAGI INTERNATIONAL COMPANY LTD a apporté son expertise à différents partenaires industriels et a développé une gamme complète de composites plastiques qui consistent une parfaite substitution au bois naturel.

Depuis 2016 nous offrons une gamme WPC résistante au feu. Nous avons des relations solides et à long terme avec nos partenaires du monde entier. Nous avons accumulé une expérience importante au travers de la réalisation de projets, en ayant démontré notre capacité à superviser de grands projets aux standards stricts et nécessitant une grande précision.



SP Series

Suprotect decking is a new generation of wood plastic composite with high-tech co-extrusion technology. Different from traditional WPC, co-extrusion technology is a process in which a protective layer of polymer and an inner WPC layer are co-extruded at the same time with high temperature. We also call it co-extrusion or capped decking.

The inner layer is made of high-density recycled plastic and wood fiber. The patented polymer plastic is used in the outer coating to enhance the resistance. Plus 3D wood grain and professional color matching, both of the quality and appearance are better than the composite decking.



Advantage

- High-tech plastic for outer layer 360 degree protection
- 3D and natural wood texture
- Excellent UV resistance
- Better anti-scratch and wearing resistance
- Stain-proofing and fast cleaning
- Slip resistance
- 100% Eco & recyclable material

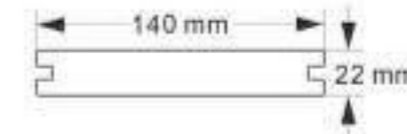
Decking Model



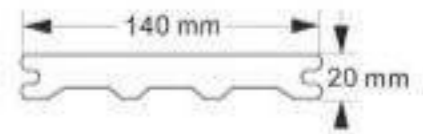
SP-ML02



SP-OR02



AS-01



Optional Colors



Antique



IPE



Walnut



Teak



OAK

Surface Treatments



Front:3D Wood Grain



Back:Brush

Fire Resistance Decking

In order to meet the market demand, MexyTech developed Suprotect Fire Resistant Decking.

It is new for the whole WPC market. It is not simply about adding additives, we must make sure basic performances are not affected at the same time. In 2016 we made a significant breakthrough on the research. After testing, our new fire-resistant products can pass the **ASTM E84 level A** and the **EN13501 B1-s1** fire resistance. (The test report is on the Page 6)



Optional Colors



P-OAK P-IPE P-Teak P-Beige P-Walnut

Surface Treatments



Front : 3D Wood Grain Back : Brush SF-01 Size : 138×23mm



Suprotect Decking Tile



300x300mm

- Advanced co-extrusion Technique
- Easy installation and disassembling
- DIY according to your home design
- Matching color for decking boards and plastic base
- Baby playground-no harmful elements to your beloved

Optional Colors



Teak



Coffee

Surface Treatments



3D Wood Grain



Back



Flexible Decking

Often used in kindergartens, schools, etc

The outer layer is soft and elastic

Better slip-resistance



Project Gallery



Optional Colors



Teak



Rosewood



Verawood

Decking Model



SP-ML03



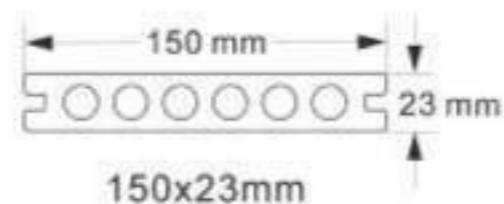
Surface Treatments



Front:3D Wood Grain



Back:Brush



3D Embossing Decking

New Production Technique

Compared to the traditional WPC products, 3D embossing product will have a more natural visual appearance and more realistic wood grain texture. 3D embossing decking doesn't need the extra treatment, it can finish the embossing during the extrusion.

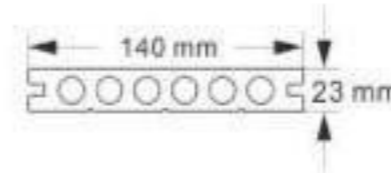
Long-termed Durability

The 3D embossing wood grain is much deeper than normal embossing and it can keep long-lasting texture against abrasion during the applications

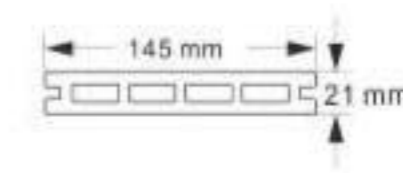
3D Embossing Decking Model



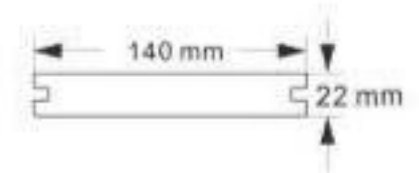
Z-ML02



Z-SB03



Z-OR02



Optional Colors



Wenge



Ancient

Surface Treatments

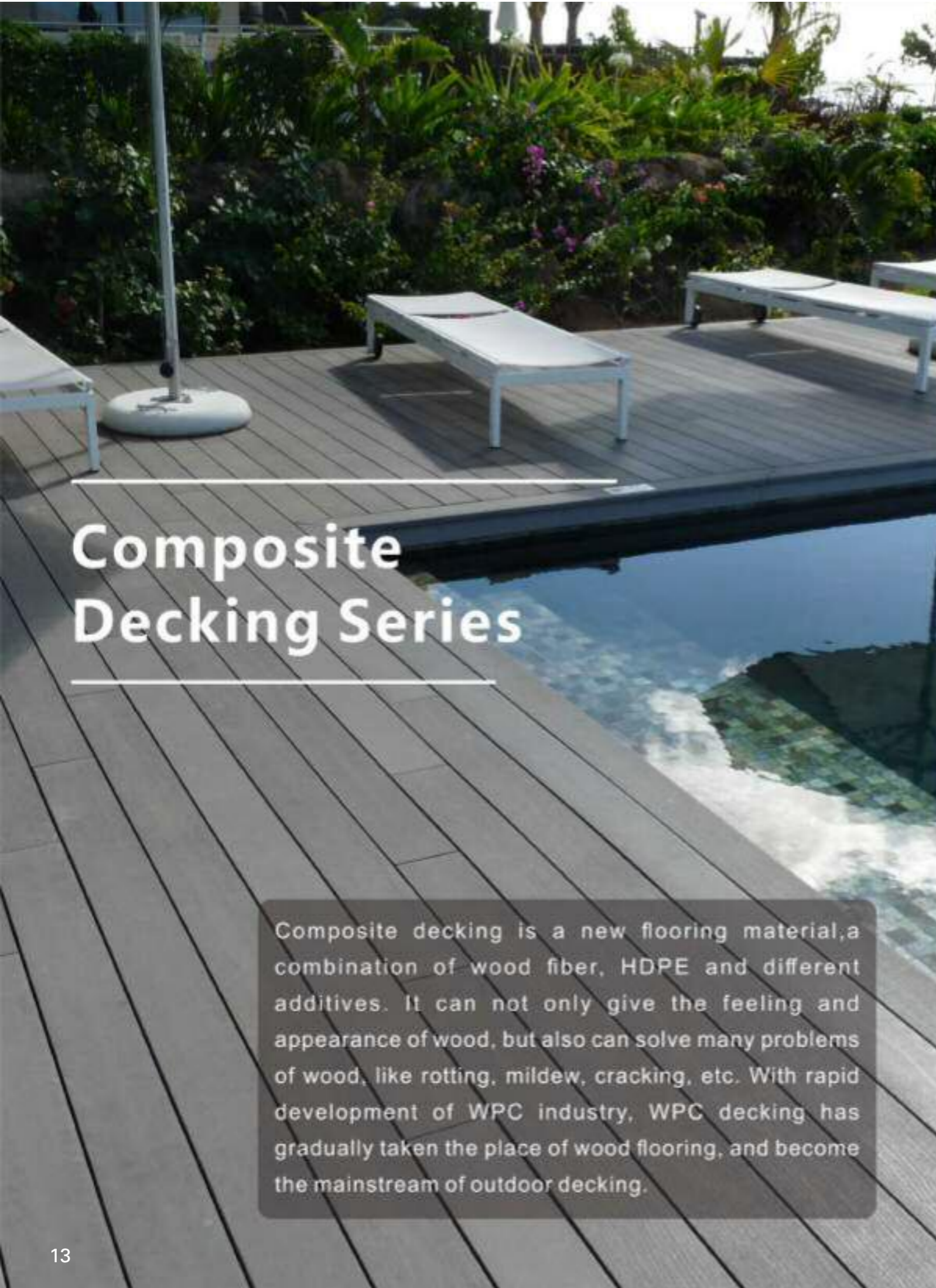


Front:3D Embossing Grain



Back:Brush





Composite Decking Series

Composite decking is a new flooring material, a combination of wood fiber, HDPE and different additives. It can not only give the feeling and appearance of wood, but also can solve many problems of wood, like rotting, mildew, cracking, etc. With rapid development of WPC industry, WPC decking has gradually taken the place of wood flooring, and become the mainstream of outdoor decking.



Composite Decking



Advantage



100% recyclable and eco-friendly, saving forest



Water resistance and mildew proofing



Excellent UV resistance



Formaldehyde emission: E0 (the highest standard)



Weather resistant from -30°C to 70°C



Termite resistance



DIY and easy installation



No paint or glue needed

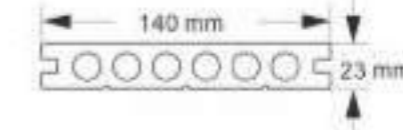
Decking Model



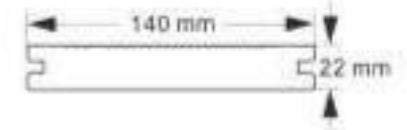
SB03



ML02



OR02



Optional Colors



Dark Grey



Dark Chocolate



Dark Coffee



Coffee



Mahogany



Teak

Surface Treatments



WG1



WG2



Sanding



Brush



Composite Decking



Decking Installation Guide



Installation Material



WPC decking panel

Installation Fittings



Clip



Screws



Side clip



Patented Clip - Easy installation and more stable decking system



Installation Steps

1. Install aluminium joist system

Model	Span A(mm)	Span B(mm)
SB03	350	700
ML02	400	
OR02	450	

① Refer to the spacing table to lay two layers of joist.
* Fix the upper joists to the lower ones by using screws.



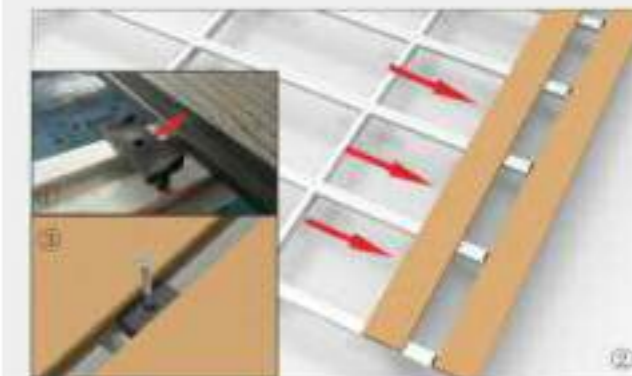
2. ① Fix the side clips onto the joists first.
② Push the deck board tight to the side clips. Suggested length for actual application is not longer than 2.75 meters per piece.



3. ① Put the special clip with a side hole into the middle of the decking side groove.
② Make sure the toothed side into the decking groove.
③ Screw through the side hole and fix the clip to decking board.



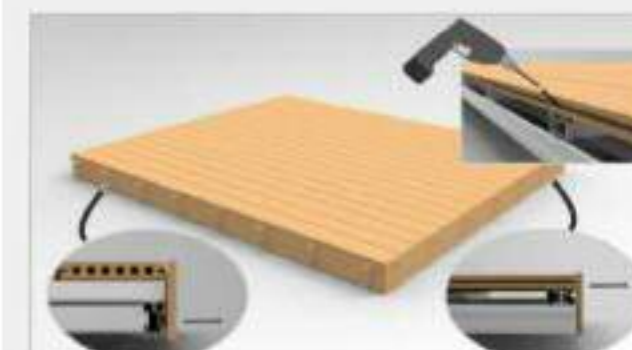
4. ① Put the normal clips for the rest. Make sure the toothed side to the groove.
② Slide another board to the clips to the right position.
③ Fix the decking through the top holes of the clips.



5. ① Repeat the steps above for the decking installation.
② Make sure the gap between cross sections of decking boards no less than 3mm.
③ Make sure 10mm gaps to the walls for the expansion or contract.



6. ① Pre-drill a hole like the pic shown below and then screw the decking board to the joist.
② Fix the fascias. Job finished.



MexyBase Adjustable Pedestal System

MexyBase Adjustable Pedestal System is an innovative design, mainly used to solve the problems of installing decking on uneven ground, and raising the whole decking system. It's widely used in swimming pools, gardens, rooftop, etc.

MexyBase system has been receiving constant praise since its launch in 2016.

Advantage:

- Hiding the water tube, gauge, cable, etc.
- Meeting the demand of load bearing.
- Raising for water draining to protect decking.
- DIY assemble
- Various adjustable heights
- Fast installation to save time and labor
- Free maintenance
- Patented design



Easy Installation
Smart Design

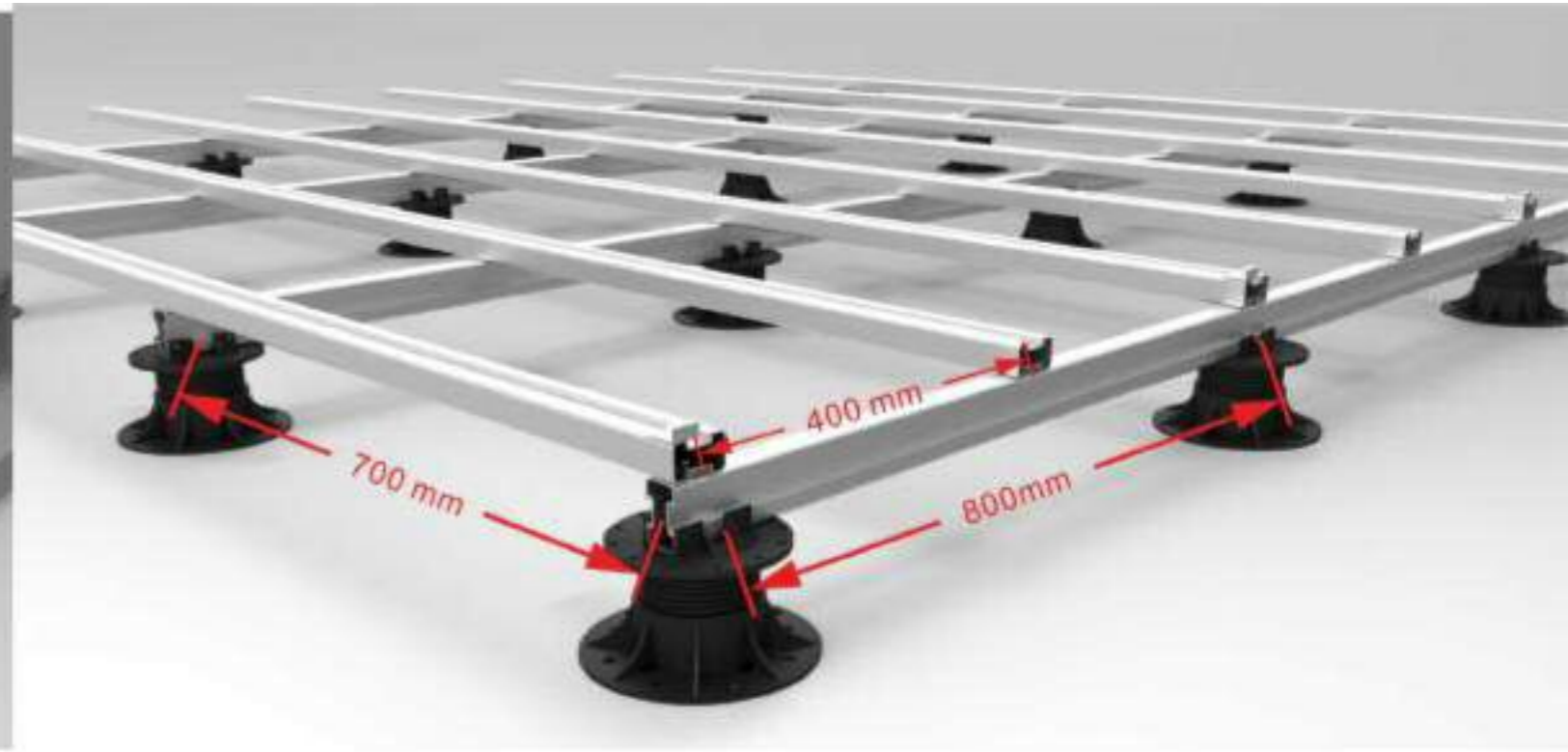
Adjustable Pedestal



Patented design



DIY Aluminum Joist System



1. Adjust the the height of the pedestal for actual application, then place them at site according to the reasonable span.



2. Snap the aluminum joists into the pedestal tabs. This smart design can save a lot of time without using screws to lock the joist tight.



3. Insert the joist connector into the two ends of joists. Slide the joist through the gap to the right position. Rotate 90 degree to build the frame structure tight.



4. The last step is to fix the deck boards onto the joists frame structure according to the installation guide. Because of no screws application and the rotation method to build the frame, less labor cost and time is required by using our design.

The Enhanced Aluminum Joist System

- Stable double structure prevents it from changing and moving.
- The aluminum structure is fixed by screws.
- Antioxidant , no rusty or corrosive.

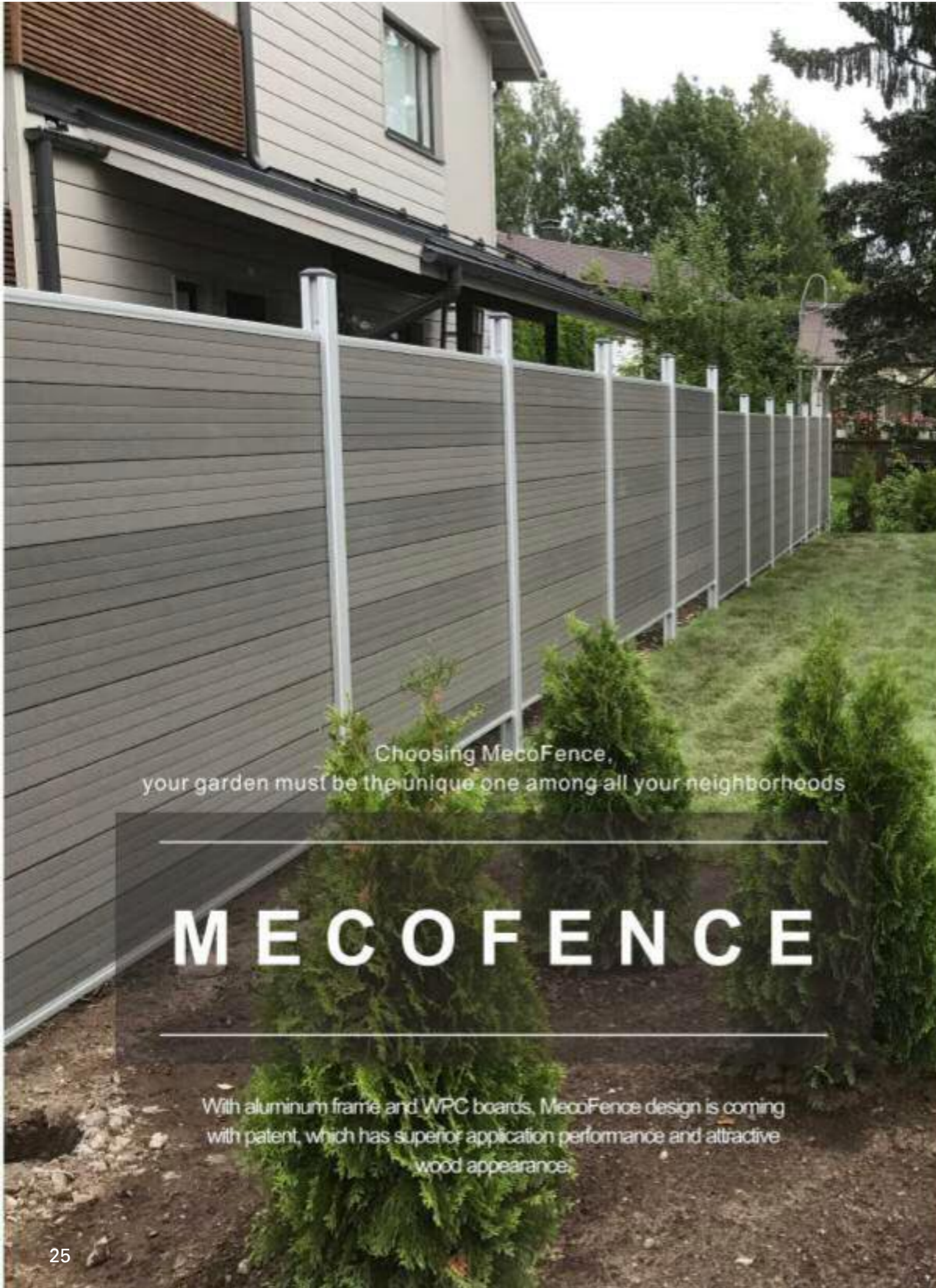


Pedestal Specification



MPD 01	26-40MM									
MPD 02	39-65MM		+		=					
MPD 03	60-87MM		+		=					
MPD 04	83-133MM		+		+		=			
MPD 05	128-178MM		+		+		=			
MPD-B	160-260MM		+		+		=			
MPD-C	190-320MM		+		+		=			
MPD-E	270-380MM		+	x2	+		+		=	
MPD-G	355-460MM		+	x2	+		+		=	
MPD-I	380-550MM		+	x3	+	x2	+		=	
MPD-J	450-610MM		+	x3	+	x2	+		=	
MPD-L	500-740MM		+	x4	+	x3	+		=	
MBS 01	Slope Corrector 0-5°									





Choosing MecoFence,
your garden must be the unique one among all your neighborhoods

MECOFENCE

With aluminum frame and WPC boards, MecoFence design is coming with patent, which has superior application performance and attractive wood appearance.

Product Features



Durable for Outdoor Application-Stable and anti-UV in any temperatures.



Easy Installation-Just few screws for the fence installation. The smart design makes the fence DIY become possible.



Eco-friendly - MecoFence is made of recyclable materials. It doesn't contain harmful elements or heavy metals.



Confident Warranty- MecoFence offers 10 years warranty



Patented Designs - Unique fencing system and pass wind resistance test.



Optional Colors for Fence Panel



Teak



Coffee



Dark Grey

Optional Colors for Aluminum Frame



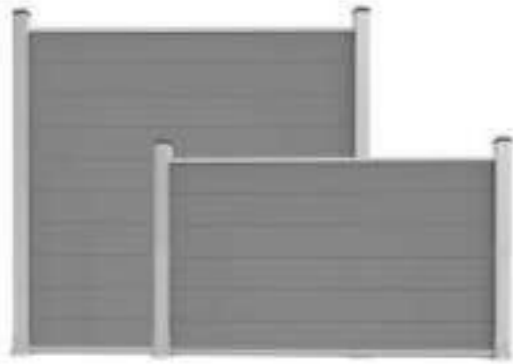
Aluminum



Black

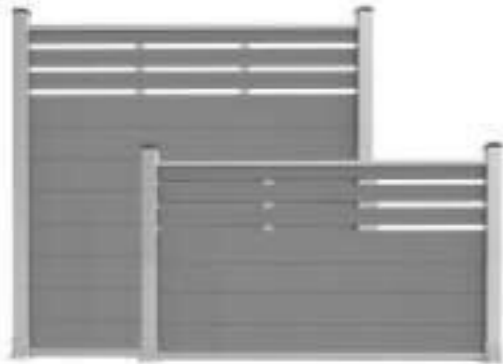


Privacy Fence



CF01
180×25mm

Mid-Trellis Fence



CF01
180×25mm

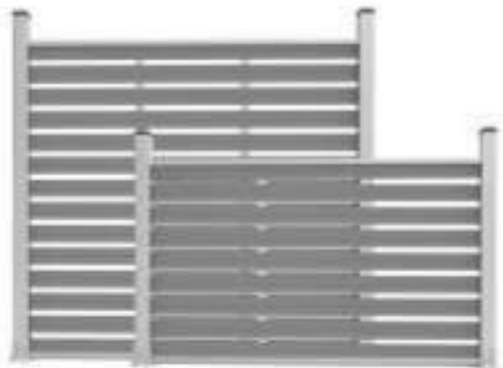


CF02
90×25mm



SPACER

Full-Trellis Fence

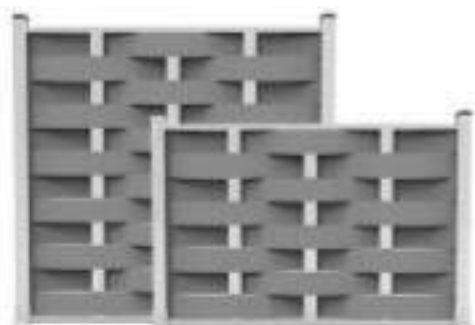


CF02
90×25mm



SPACER

Woven Fence

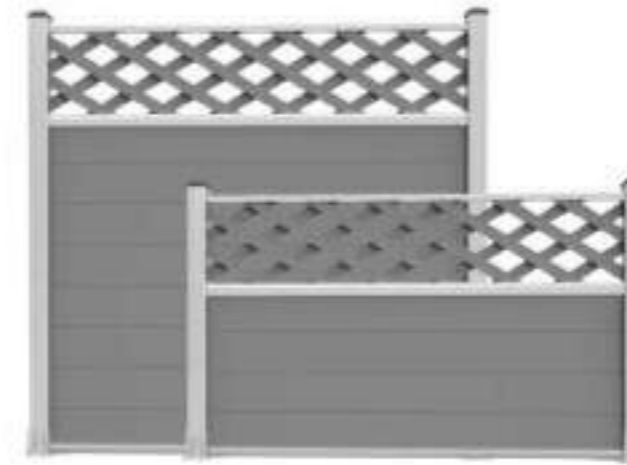


MF04
140×11mm



Vertical Alu Tube
76×25mm

Lattice Fence



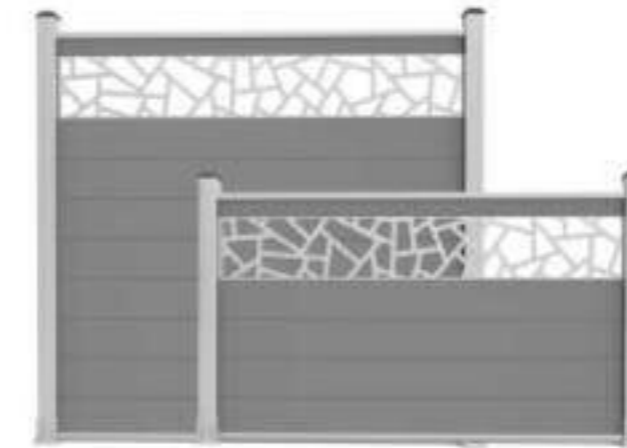
CF01
180×25mm



MIDDLE RAIL



Carving Fence



CF02
90×25mm



CF01
180×25mm

Optional carving styles



Fence Standard Size: W1800*H1800mm
W1800*H1150mm

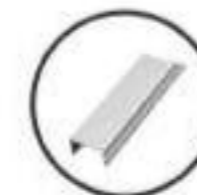
Accessories



POST



RAIL



SIDE COVER



BRACKET FOR RAIL



POST BASE



POST CAP



Suprotect Fence



Excellent UV resistance



Insect resistance - anti termite



Easy cleaning and low maintenance. water-proof and oil-proof



100% Eco & recyclable material

Optional Colors



Antique



IPE



Walnut



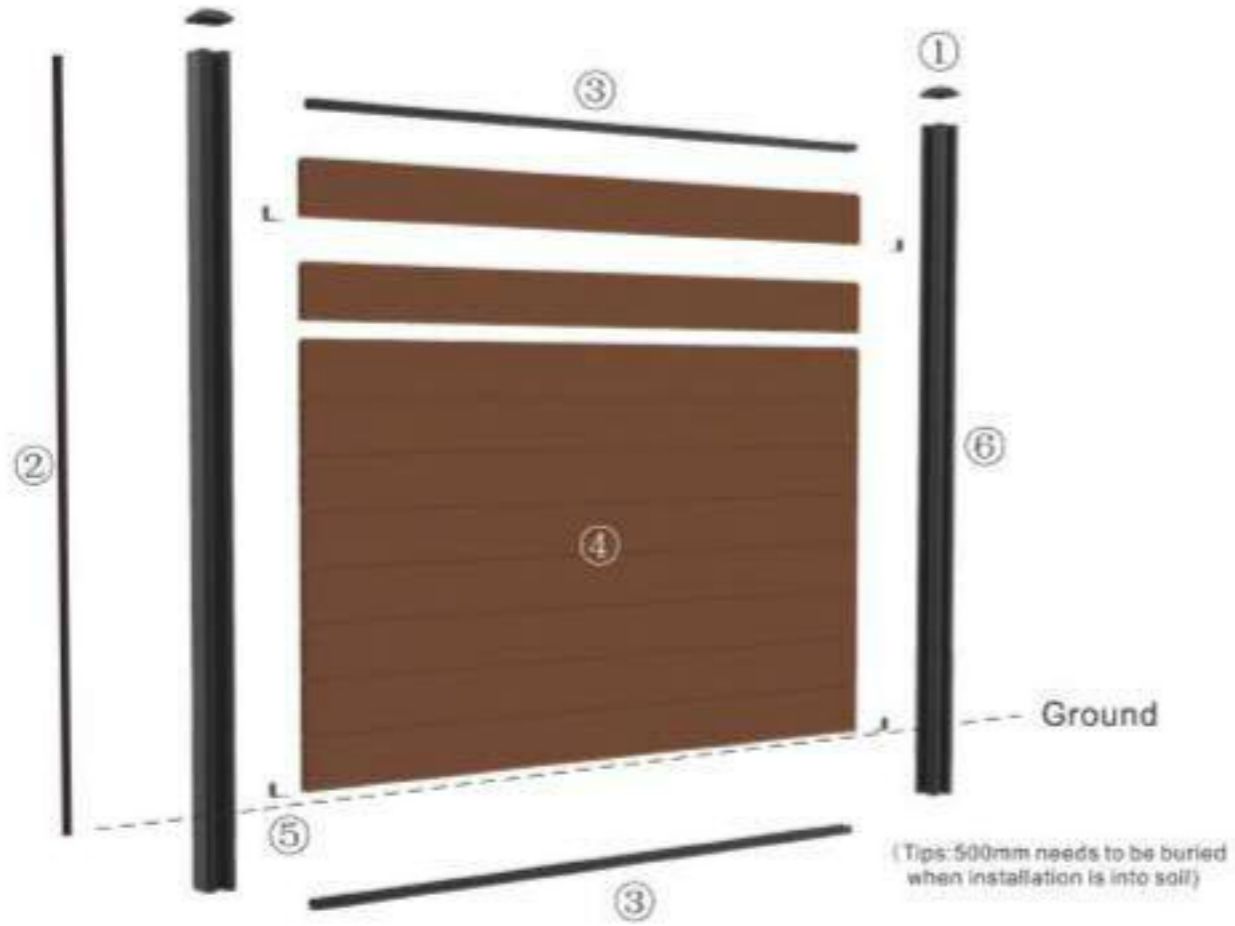
Teak



OAK



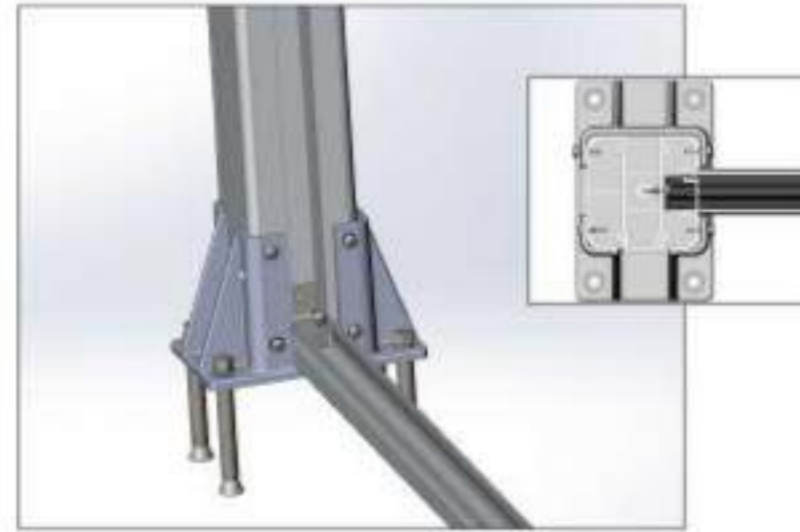
Accessories



- ① Post cap
- ② Side cover
- ③ Rail
- ④ WPC board
- ⑤ Bracket for rail
- ⑥ Post



Basement Instruction



MecoFence have a complete system. Each detail has been fully considered including concrete ground installation.

We added the design of post base which would not break the original ground structure, but make it easier to install, and customers have a better experience.



Aluminum



Black

Fence Light



FL02



FL03



FL01

Fence Gate

Standard Gate



- Accessories replaced easily
- After the improvement, the structure is solid and reasonable
- Variety of styles and flexibility
- Can be customized

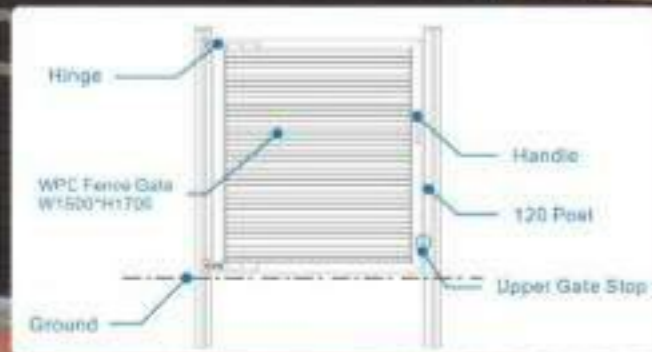


With handle

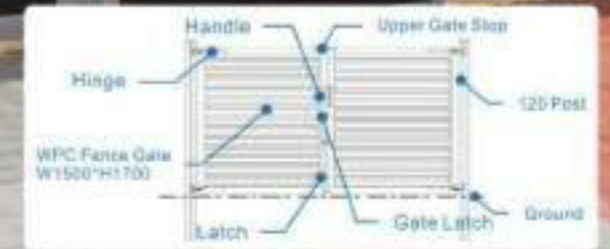
With lock

Standard Size: W900*H1700

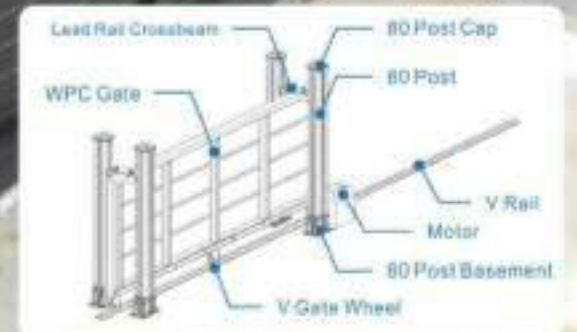
Single Gate



Double Gate



Sliding Electric Gate



Certificates

Withstand Wind Level 9



Issue Date: 2018/3/9 Intertek Report No. 180206062GZU-003

Test Items, Method and Results:

No.	Test Item	Test Parameter	Test Result	Verdict
1	Wind resistance test	Test method: Client's requirements Requirements: The fencing system shall resist a maximum horizontal quarter point load of 372.1 N/m ² x effective area of system (as 9 Beaufort scale or 9 wind level)	There was no failure, nor any evidence of disengagement of any component, nor visible cracks in any component.	Pass

Product Performance

No.	Item	Standard	Result	Unit
1	Moisture Content	EN 322:1993	0.89	%
2	Impact Resistance	EN15534-1:2004	8.95	mm
3	Resistance to Artificial Weathering	EN15534-1:2014	2000	h
4	Bending Strength	EN15534-1:2004	26.8	Mpa
5	Linear Thermal Expansion	EN15534-4:2014	38.6 *10 ⁻⁶	Mm/m℃
6	Deflection Temperature	ISO 75-1:2013	80	℃
7	REACH	(EC) NO. 1907/2006	Pass	/
8	Fire-resistance (for fire-proof WPC)	ASTM E84	Class A	/
9	Shore Hardness	ASTM D2240-05	70	D

Patented Certificate



SGS



High-technology Products



Canada 50meters Mid-trellis Fence Project-2019



2018 UK 200meters



Sweden 120meters Privacy Fence Project-2019



2018 Poland 200meters



Australia 1000meters Privacy Fence Project-2017



UK 97meters Mid-trellis Fence Project-2018



2019 Zimbabwe 800 meters

Outdoor Wall Cladding

• Anti-UV • Maintenance Free • Easy To Install



Suprotect Wall Cladding

• Elegant • Low Carbon • Energy saving



Composite Wood Wall Cladding



WP03 145×21mm



WP07 223×21mm

Optional Colors



Dark Grey



Dark Chocolate



Dark Coffee



Coffee



Mahogany

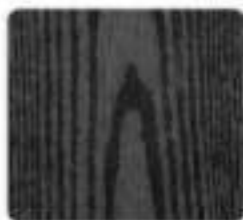


Teak

Surface Treatments



WG1



WG2



Sanding



SP-WP01
138×12mm



SP-WP03
156×21mm



SP-WP08
219×26mm

Optional Colors



Antique



IPE



Walnut



Teak



OAK

Surface Treatments



Brush

Aluminum Accessories



AL Joist-MJAL
50×30mm



Siding-ALW03
80X48mm



Joints-ALW02
50X21mm



Edging-ALW04
30X23mm

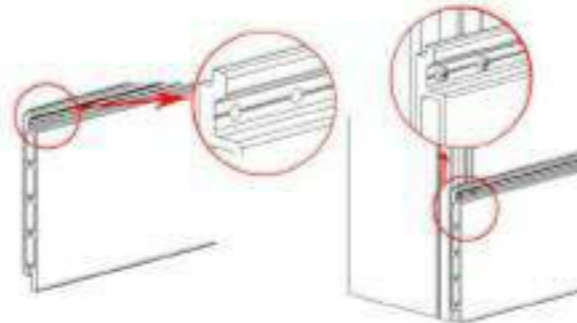


External Corner
ALW01
50X50mm

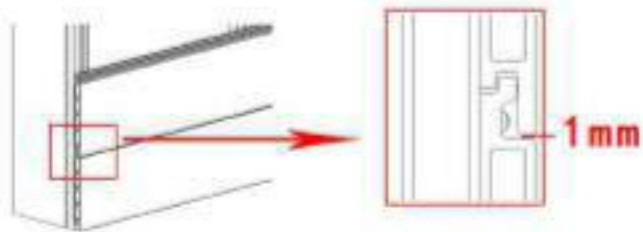
Installation



1. 600mm spacing between joists, each joist is fixed with an expansion screw



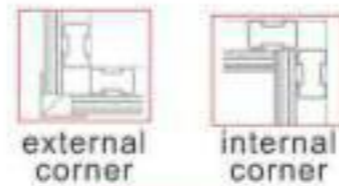
2. Install the wall panel (pre-drilled first)



3. Reserve a clearance of 1mm before installing the next wall panel (Prevent the wall panel from expanding and contracting)



4. Overall renderings and details



external corner

internal corner

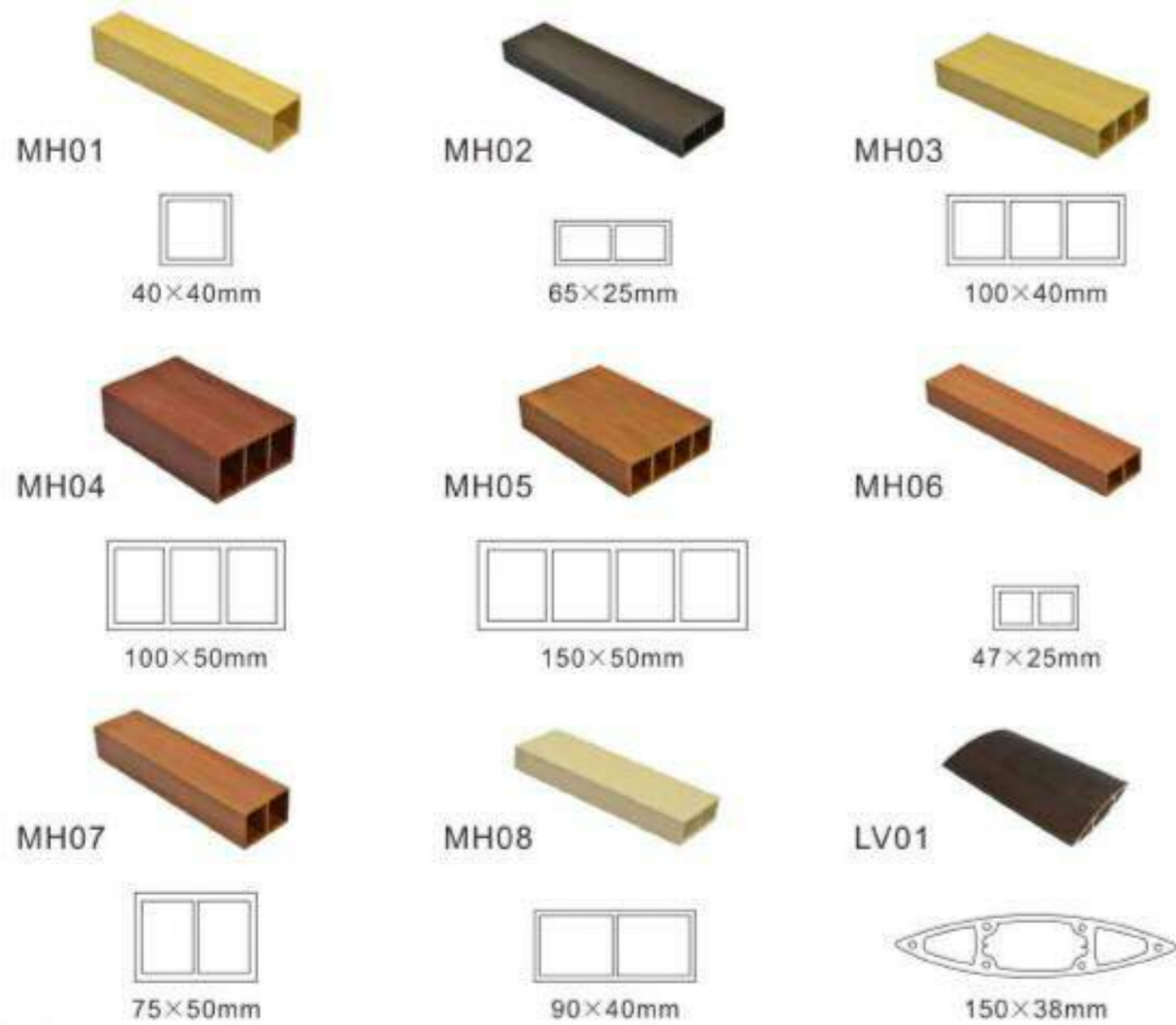


Reserve 3mm between boards



Project Gallery

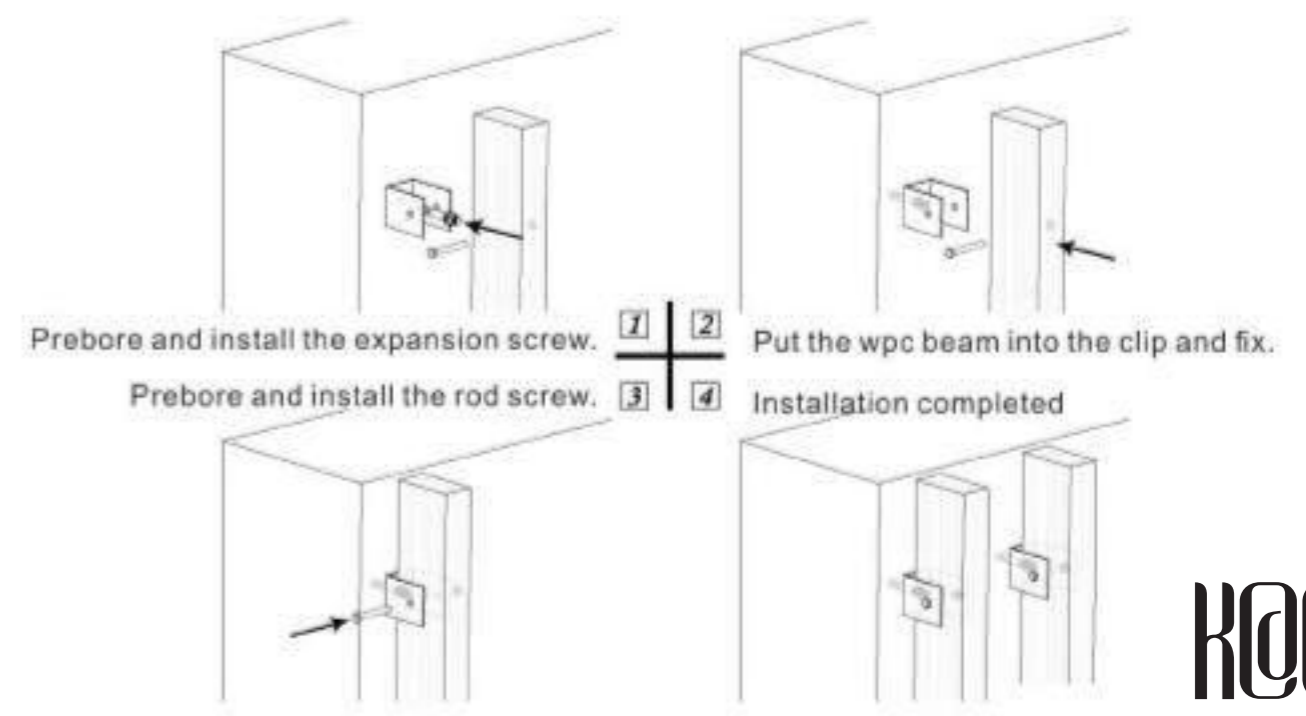




Optional Colors



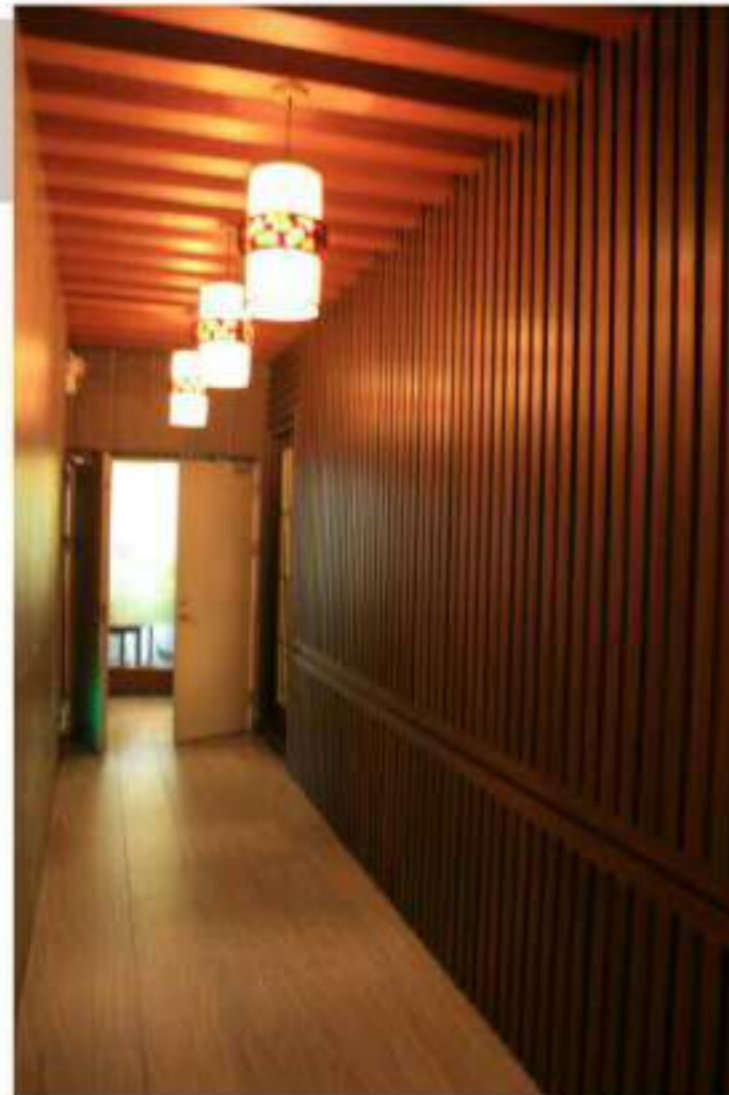
Simple Installation Drawing





Indoor Wall Panel

MexyTech indoor wall panel is a special product developed for interior decoration. Light-weighting product, elegant appearance and easy installation are 3 main features of this product. Because of the waterproofing and easy cleaning, our indoor wall panel can not be used in offices, hotels, houses, but also in natatoriums, bath room and ketchens, etc.



EC05



120×8mm



EC06



120×18mm



EM07



250×12mm



EC08



240×18mm



MW01



159×10mm



MW02



204×16mm



MW04



202×30mm



MW05



192×34mm

Accessories



Siding-RC02



25×25mm



Siding-RC03



40×40mm



Joist-ID01



25×10mm

Optional Colors



Gold



Teak



Coffee



Red wood



Rose wood



Black walnut

Installation Guide



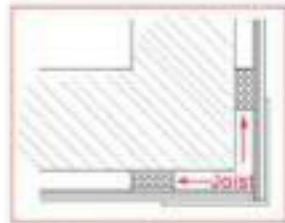
Joist span is 600 mm. Fix the joist every meter with expansion screw

1



Install the bottom wall panel and fix it with air nail gun. Make sure the upper and lower concave parts are well-fixed

2



External Corner



Internal Corner

Detail demo

3

4



Complete demo

Project Gallery


























Eco-wood Ceiling



MexyTech eco-wood ceiling series serves as a perfect substitution of real wood ceiling and aluminium ceiling. The simple installation, good thermal insulation and fire resistance make it outstanding among other traditional ceilings. Nowadays, MexyTech eco ceiling series becomes more and more popular in the world because of its excellent features.

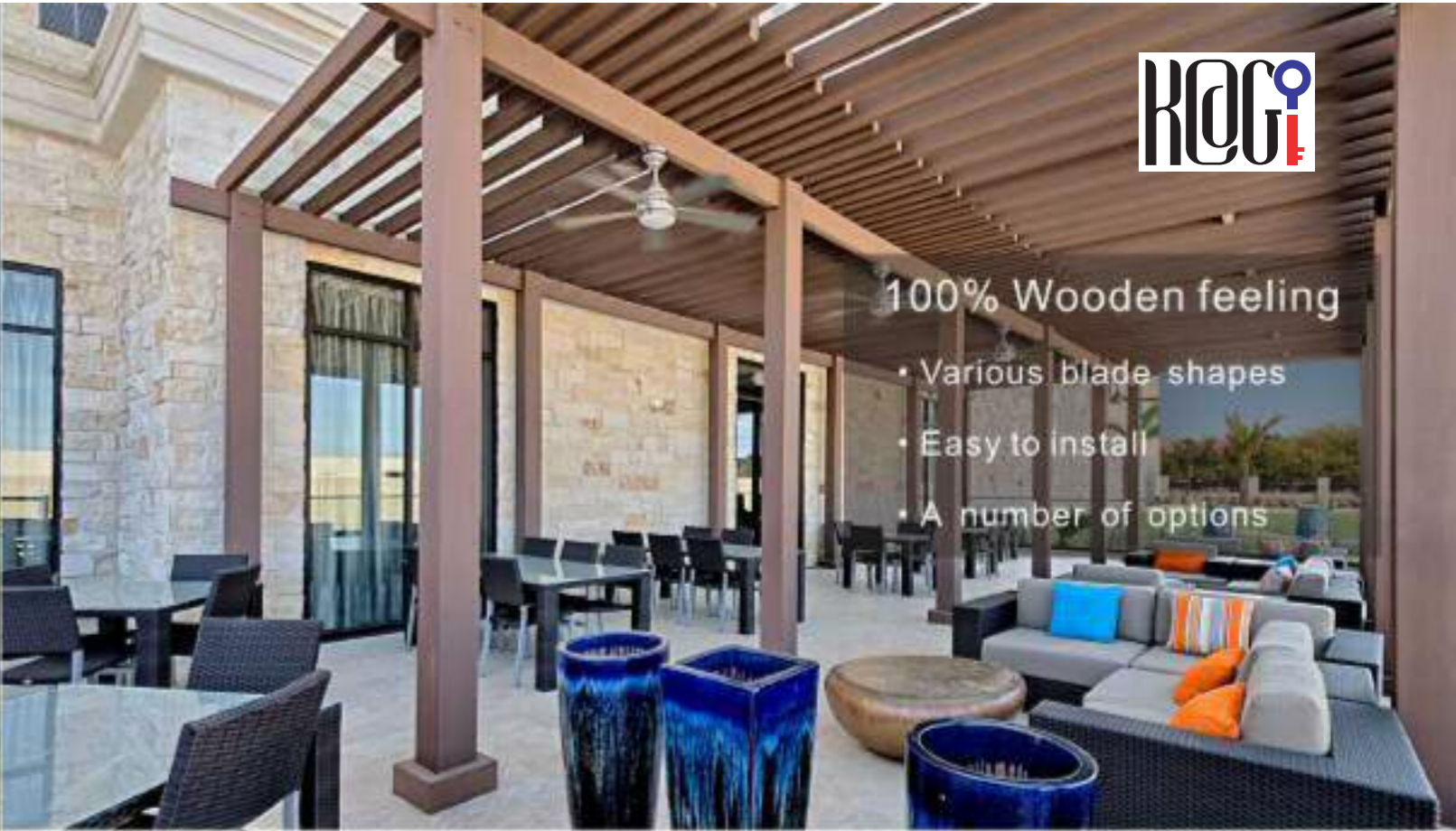


Ceiling Model

Finished Product	Series	Ceiling Panel	Ceiling Panel	Metal Joist
 Great Wall Ceiling 1		 PC01 100X25mm	 PC10 25X2.5mm	 MK01
 Great Wall Ceiling 2		 PC03 40X25mm	 PC10 25X2.5mm	 MK01
 Great Wall Ceiling 5		 PC02 40X45mm	 PC11 50X3mm	 MK02
 Great Wall Ceiling 6		 PC13 50X90mm	 PC11 50X3mm	 MK03
 Elegance Ceiling		 EC10 320X9mm		

Optional Colors



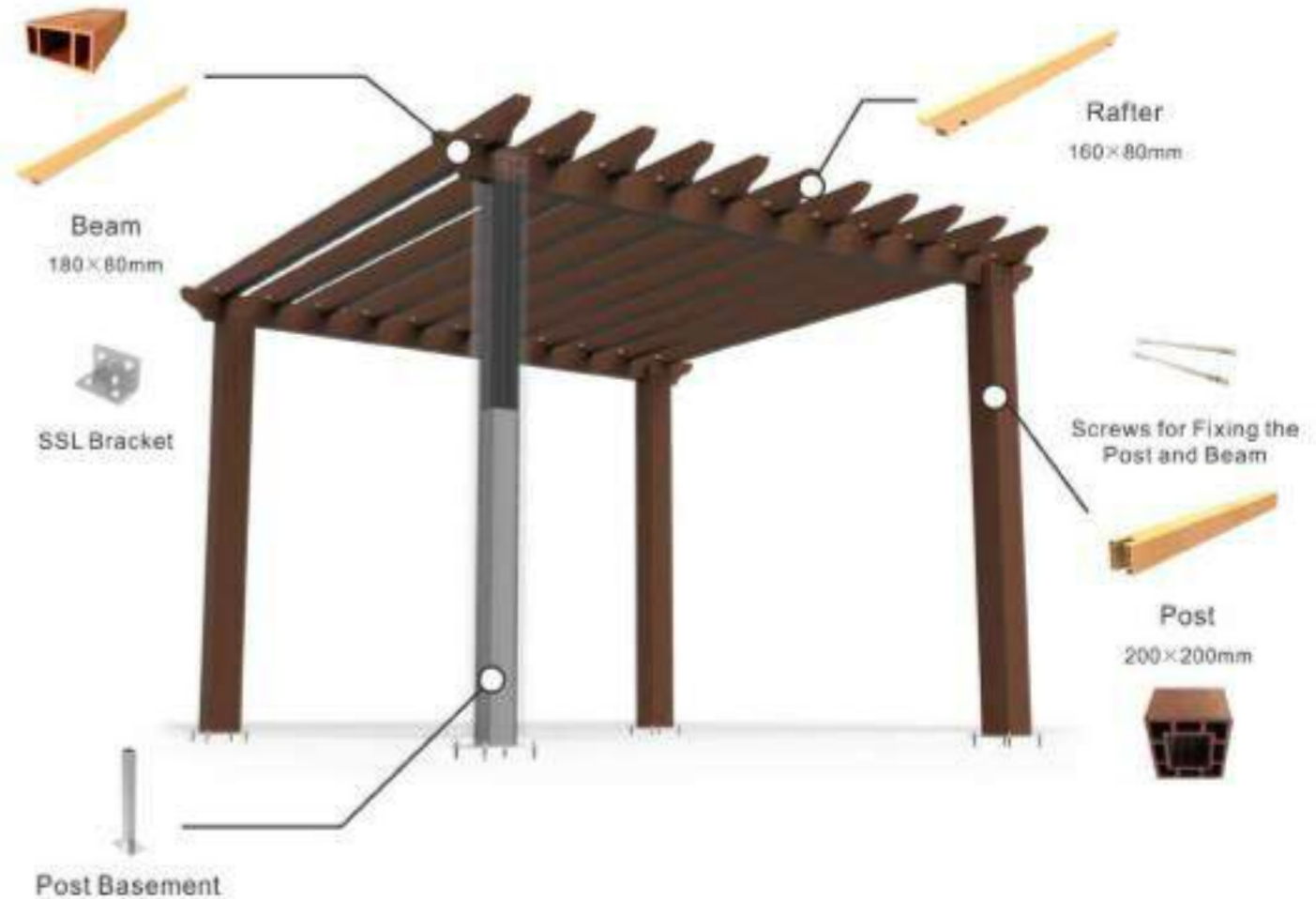


100% Wooden feeling

- Various blade shapes
- Easy to install
- A number of options

Pergola Series

- 100% Natural appearance
- Minimum maintainance
- Customization accpeted
- 24H7D technical team support
- All accessories included



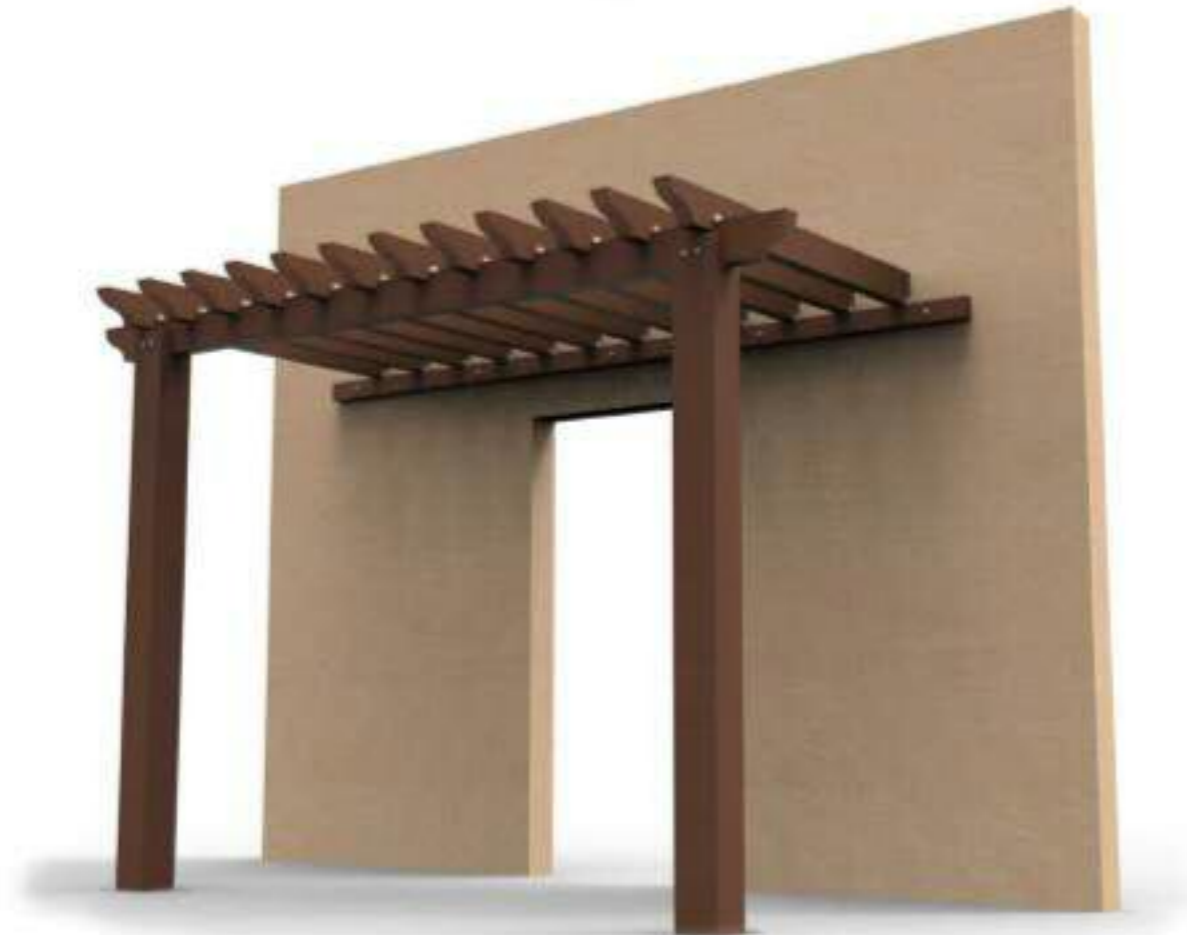
S Type

Bevel Type

Flat Type



Style1



Style2



Project Gallery



Project Gallery



- Thermal insulation
- Scratch proof
- Simulation of wood grain
- Light weighting
- Rust-resistance and anti-oxidation

Composite Wood Bench



MB01
L1500*W530*H420mm



MB02
L1500*W610*H780mm



MB03
L1500*W430*H400mm



MB04
L1500*W510*H750mm



Trash Bin



Outdoor Furniture



Gazebo



Other Landscape Series

WPC Handrail



Garden Fence



Profile List

Suprotect Decking			
Model NO.	Product	Section Drawing	Size(mm)
SP-ML02			138mm×23mm
SP-OR02			140mm×22mm
AS-01			140mm×20mm

WPC Decking			
Model NO.	Product	Section Drawing	Size(mm)
Z-SB03			145mm×21mm
Z-ML02			140mm×23mm
Z-OR02			140mm×22mm
SB03			145mm×21mm
ML02			140mm×23mm
OR02			140mm×22mm

MecoFence			
Model NO.	Product	Section Drawing	Size(mm)
CF01			180mm×25mm
CF02			90mm×25mm
MF04			140mm×11mm

Pergola			
Model NO.	Product	Section Drawing	Size(mm)
Post			200mm×200mm
Beam			180mm×80mm
Rafter			160mm×80mm

Indoor Wall			
Model NO.	Product	Section Drawing	Size(mm)
MW01			159mm×10mm
MW02			204mm×16mm
MW04			202mm×30mm
MW05			192mm×34mm
EC05			120mm×8mm
EC06			120mm×18mm
EC07			250mm×12mm
EC08			240mm×18mm

Profile List

Outdoor Cladding			
Model NO.	Product	Section Drawing	Size(mm)
WP03			145mm×21mm
WP07			223mm×21mm
SP-WP01			138mm×12mm
SP-WP03			156mm×21mm
SP-WP08			219mm×26mm

Eco-wood Ceiling			
Model NO.	Product	Section Drawing	Size(mm)
PC01			100mm×25mm
PC02			40mm×45mm
PC03			40mm×25mm
PC13			50mm×90mm
EC10			320mm×9mm
PC10			25mm×2.5mm
PC11			50mm×3mm

WPC Shading System			
Model NO.	Product	Section Drawing	Size(mm)
MH01			40mm×40mm
MH02			65mm×25mm
MH03			100mm×40mm
MH04			100mm×50mm
MH05			150mm×50mm
MH06			47mm×25mm
MH07			75mm×50mm
MH08			90mm×40mm
LV01			150mm×38mm

ISO 9001
CQC

NIMH

RoHS

Intertek

SGS

CNAS

ilac-MRA