

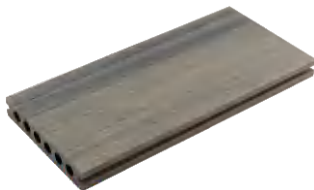
Suprotect Series

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.

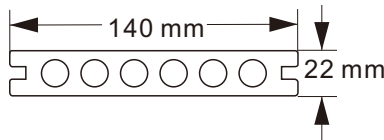
The inner layer is made of high-density recycled plastic and wood fiber. The patented polymer plastic is used in the outer coating to enhance the resistance. Plus 3D wood grain and professional color matching, both of the quality and appearance are better than the composite decking.



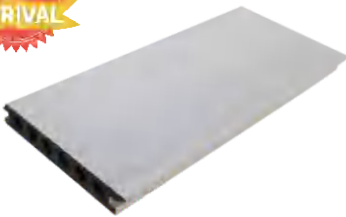
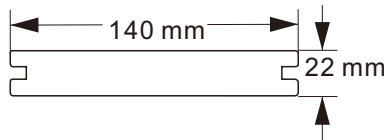
Decking Model



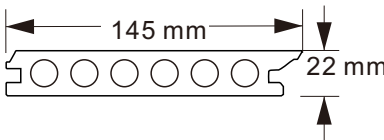
BPS-01



SP-OR02



SP-ML04
No gap decking



Optional Colors



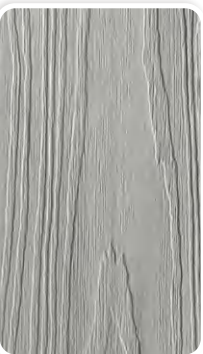
IPE



Walnut



Teak



Antique



Ashwood



Dark Grey

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

Surface Treatments



Front:3D Wood Grain



Back:Brush

Fire Resistance Decking

In order to meet the market demand,REAL Tech 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 Bf1-s1** fire resistance.(The test report is on the Page 6)



Frosted Surface



Project Gallery



Fire Resistance Test

intertek
Test Quality Assured

Test Report

Number: G2H02726083

Tests Conducted

1. Fire Classification Test on Suprotect Fire Resistant Composite (Wood)

As per the client's request, the tested samples were subjected to the following tests.

Sample description: Hollowed WPC flooring

Sample thickness: 25.0 mm

Initial inspection: No any damage was found

Executive summary

No.	Test item	Test method	Standard's requirement	Test result	Conclusion
1	Critical heat flux	EN ISO 9239-1:2010	≥8.0 kW/m ²	8.2 kW/m ²	Pass
2	Flammability	EN ISO 11825-2:2010	Fl, ≤150mm	130mm	Pass
3	Smoke production	EN ISO 13961-1:2007/CAT 2005	≤1.0 m ³ /min	0.95 m ³ /min	Class: s1
Conclusion	EN 13501-1:2007/CAT 2005 Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests - Fl, s1				
Remark	The test results relate to the behavior of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.				

Intertek Testing Services (Hong Kong) Limited, Hong Kong branch


香港测试服务有限公司香港分公司
Intertek Testing Services (Hong Kong) Limited, Hong Kong branch
Development Drive, Hong Kong, 180, No. 7, Lane 6, Long He Road, Hong Kong Science Park, 857000 Hong Kong
中國香港新田科技園第6號路7號新田科技園第180號7號發展路
Tel: +852 2717 1700

SZ-06020137-0000
Tel: +8620 755 9537
Fax: +8620 755 9537
intertek.com

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5

Intertek



Test Report

Report Number: 16091000854F-BP-1

V. TEST RESULTS

The test results, computed on the basis of observed flame front advance and electronic smoke density measurements are presented in the following table.

Test Specimen	Flame Spread Index	Smoke Developed Index
"RECOUSINO COMPOSITE WOOD, model of DECKING AND WALL CLADDING"	18	5

The data sheets are included in attached page. These sheets are actual print-outs of the computerized data system which monitors the tunnel furnace, and contain all calibration and specimen data needed to calculate the test results.

VI. OBSERVATIONS

During the test, the specimen was observed to behave in the following manner:

Time (min:sec)	Observations
0:00	The test burners were turned on.
3:04	Transient ignition was observed.
4:05	Steady ignition was observed.
10:00	The test burners were shut off.
10:00	The test burners were turned off, a 60+ seconds after flame was observed.

After the test, the specimen was observed to be damaged as follows:

Distance (FEET)	Damage Descriptions
9-7	The specimen was charred and sagging.
7-24	The specimen was discolored and sagging.

Intertek Testing Services LLC, Shanghai

No.7 Building, No. 8888 Ding Road, Jingan District, Shanghai
 Tel: 021-61181116 Fax: 021-61181891 Website: www.intertek.com
 Report template version : 2/19/17

Page 6 of 7

SGS

Test Report

No. AFS190700680FF

Date: JUL 30, 2019

Page 2 of 4

Note:

- 1) Where all specimens do not ignite, means and standard errors for smoke release shall be reported separately for those specimens that ignite and those that do not ignite. The higher of the two values shall be reported as the smoke released for the material or component.
- 2) Where all specimens do not ignite, indices for smoke developed shall be reported separately for those specimens that ignite and those specimens that do not ignite. The higher of the two values shall be reported as the smoke developed index for the product.

Regulatory Indices:

Items	Regulatory Indices
Ignitability Index (Range 0 to 30)	0
Spread of flame Index (Range 0 to 10)	0
Heat evolved Index (Range 0 to 10)	0
Smoke developed Index (Range 0 to 10)	0

Statement:

- 1) The results only apply to the specimen mounted as described in this report.
- 2) This declaration of conformity is only based on the result of this laboratory activity, the impact of the uncertainty of the results was not included.
- 3) The results of this fire test may be used to directly assess fire hazard, but it should be recognized that a single test method will not provide a full assessment of the hazard under all its conditions.

To be continued...

SGS is a leading provider of inspection, testing and certification services. We are committed to providing our clients with the highest quality of service and the most accurate and reliable results. Our services are performed in accordance with the requirements of the International Standards Organization (ISO) and the European Conformity (CE) marking. We are also a member of the International Union of Pure and Applied Chemistry (IUPAC) and the International Union of Pure and Applied Physics (IUPAP). Our services are performed in accordance with the requirements of the International Standards Organization (ISO) and the European Conformity (CE) marking. We are also a member of the International Union of Pure and Applied Chemistry (IUPAC) and the International Union of Pure and Applied Physics (IUPAP).

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Page 2 of 4

3D Embossing Decking

New Production Technique

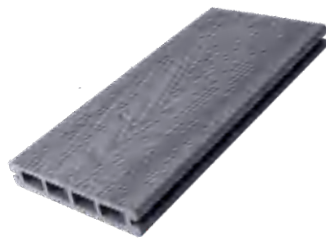
Compared to the traditional WPC products,3D embossing product will have a more natural visual appearance and more realistic wood grain texture. 3D embossing decking doesn't need the extra treatment,it can finish the embossing during the extrusion.

Long-termed Durability

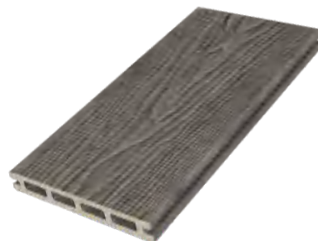
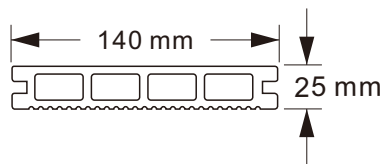
The 3D embossing wood grain is much deeper than normal embossing and it can keep long-lasting texture against abrasion during the applications



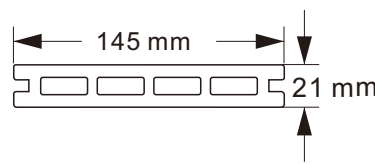
3D Embossing Decking Model



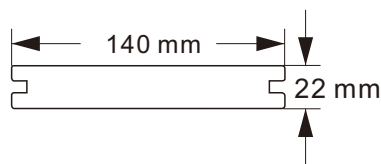
BPZ-01



Z-SB03



Z-OR02



Optional Colors



Dark Chocolate



Hickory



Teak



Red wood



Dark Grey

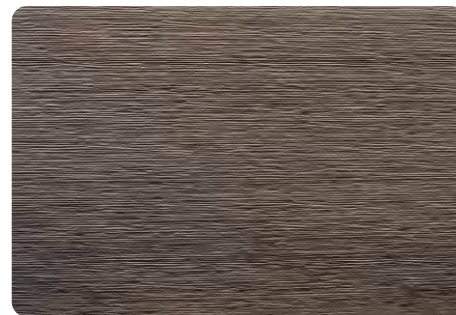


Slate Grey

Surface Treatments



Front:3D Embossing Grain



Back:Brush



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

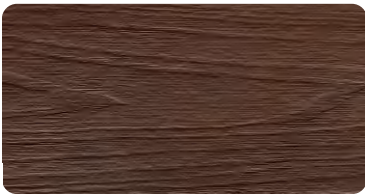


Teak



Coffee

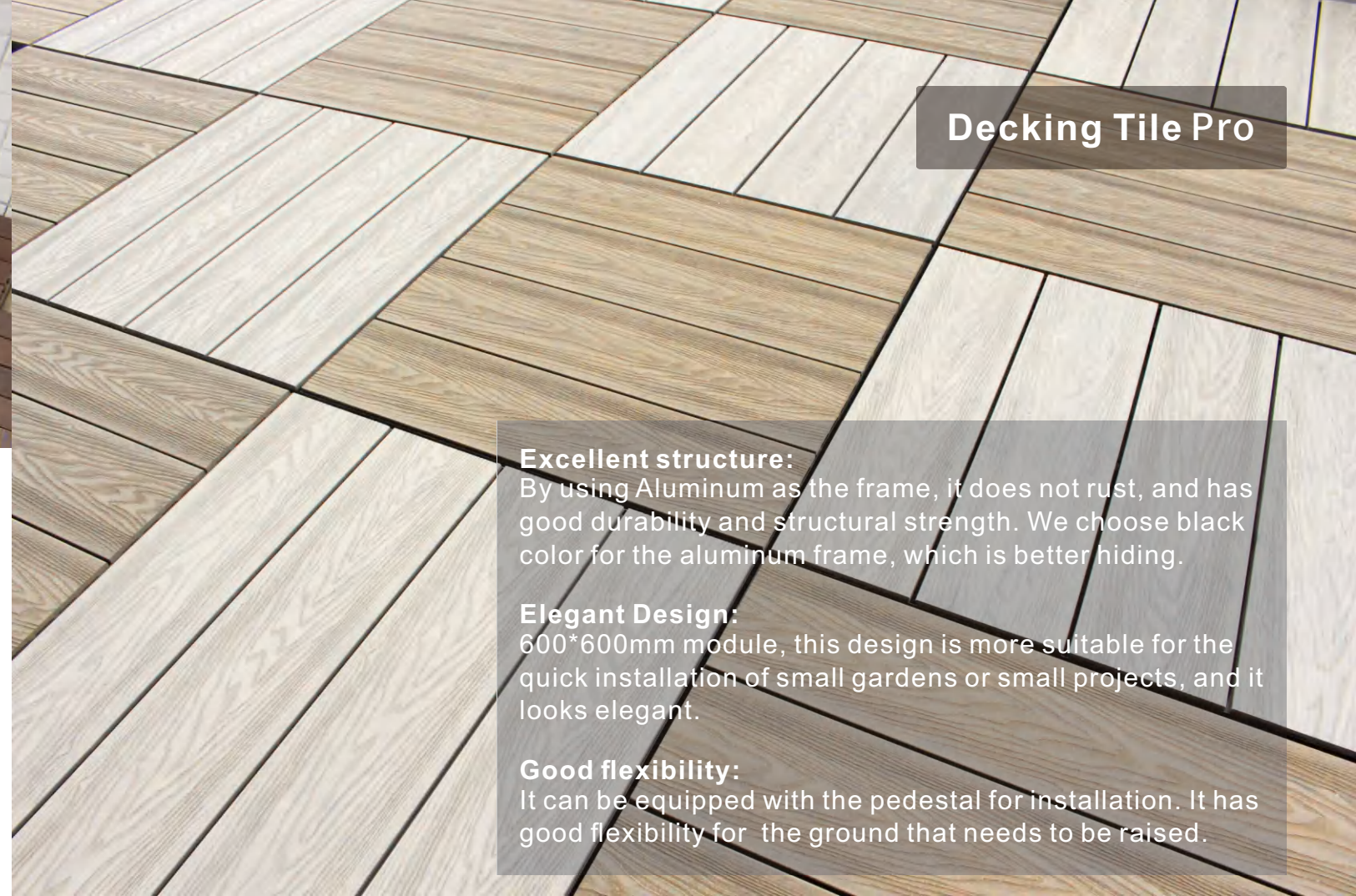
Surface Treatments



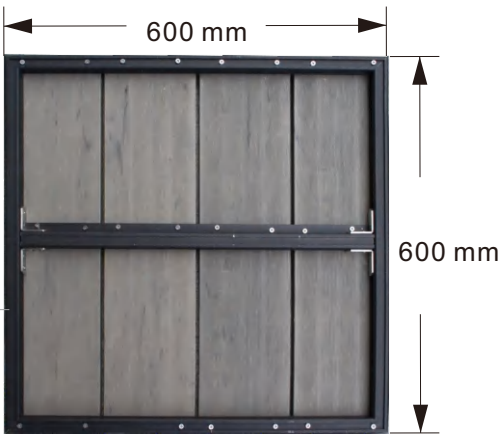
3D Wood Grain



Back



Front Side: 3D Wood Grain

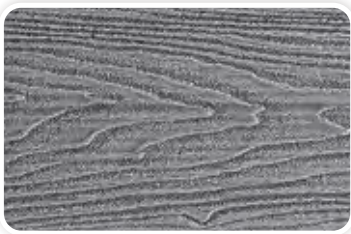


Back Side

Color Options



Hickory



Slate Grey



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



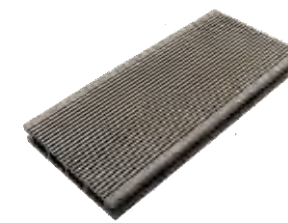
No paint or glue needed



Composite Decking



Decking Model



BPW-01



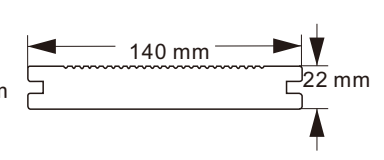
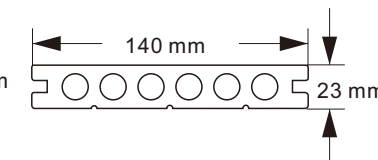
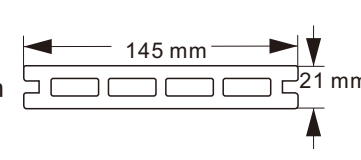
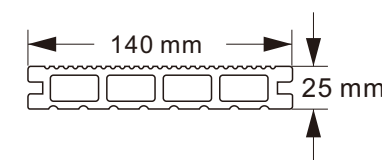
SB03



ML02



OR02



Optional Colors



Dark Grey



Dark Chocolate



Dark Coffee



Coffee

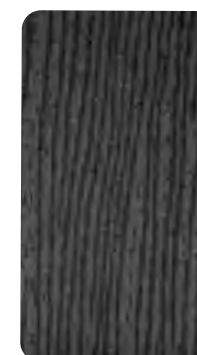


Mahogany



Teak

Surface Treatments



WG1



WG2



Sanding



Brush

Decking Installation Guide

Installation Material



WPC decking panel

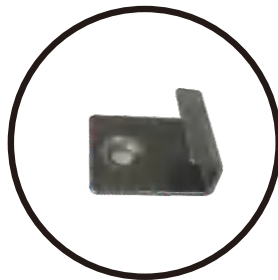
Installation Fittings



Clip



Screws



Side clip



Patented Clip - Easy installation and more stable decking system

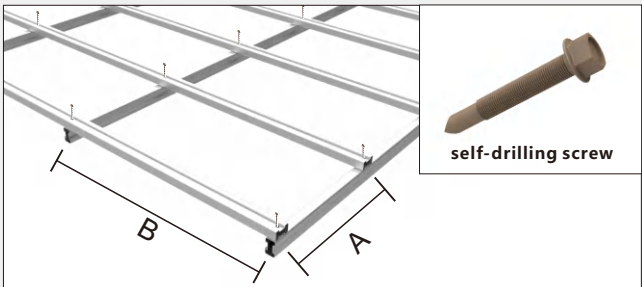


Installation Steps

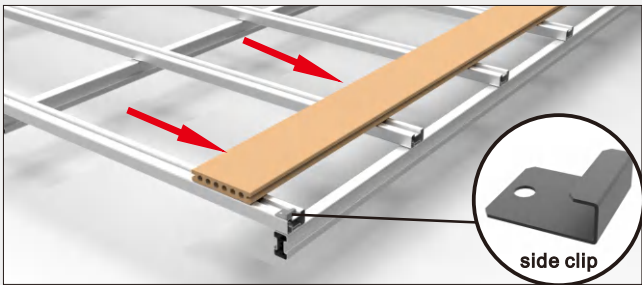
1. Install aluminium joist system

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

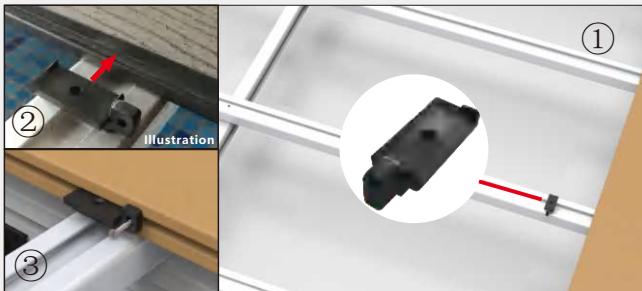
①Refer to the spacing table to lay two layers of joist.
* Fix the upper joists to the lower ones by using screws.



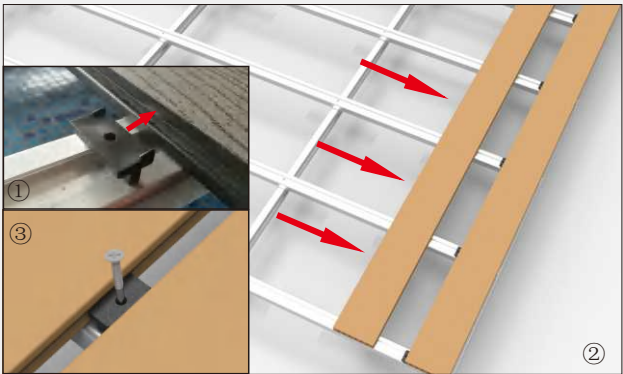
2.①Fix the side clips onto the joists first.
②Push the deck board tight to the side clips. Suggested length for actual application is not longer than 2.75 meters per piece.



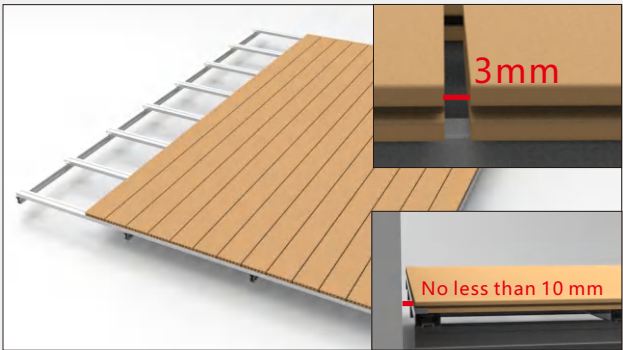
3.①Put the special clip with a side hole into the middle of the decking side groove.
②Make sure the toothed side into the decking groove
③Screw through the side hole and fix the clip to decking board.



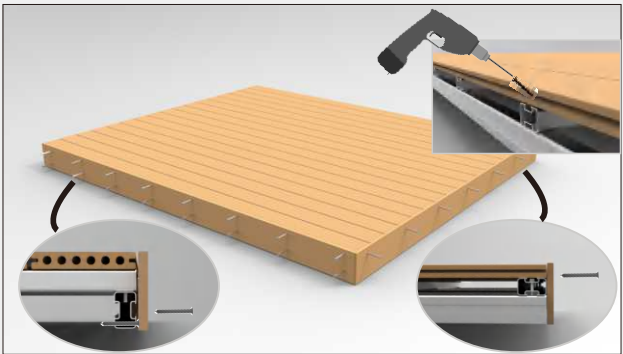
4. ①Put the normal clips for the rest. Make sure the toothed side to the groove.
②Slide another board to the clips to the right position.
③Fix the decking through the top holes of the clips.



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



6.①Predrill a hole like the pic shown below and then screw the decking board to the joist.
②Fix the fascias. Job finished.



REALGRES Base Adjustable Pedestal System

REALGRES Base 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.

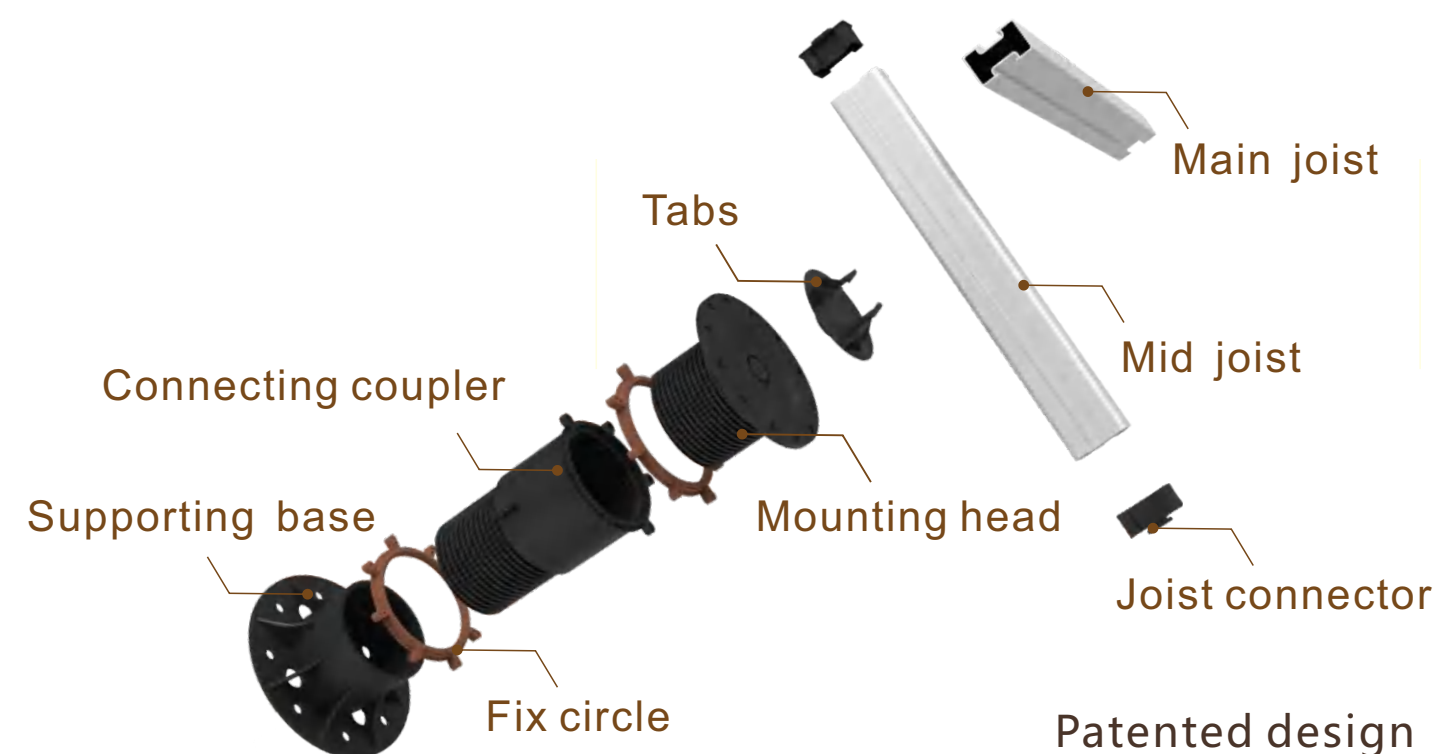
MexyBase system has been receiving constant praise since its launch in 2016.

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

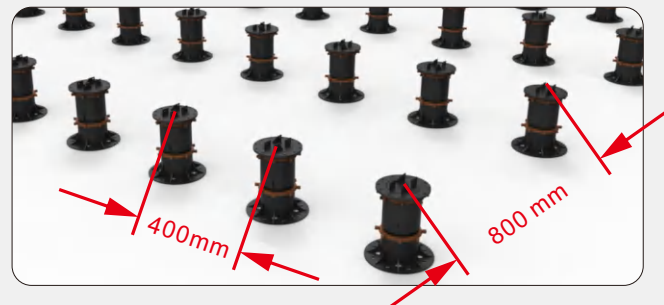
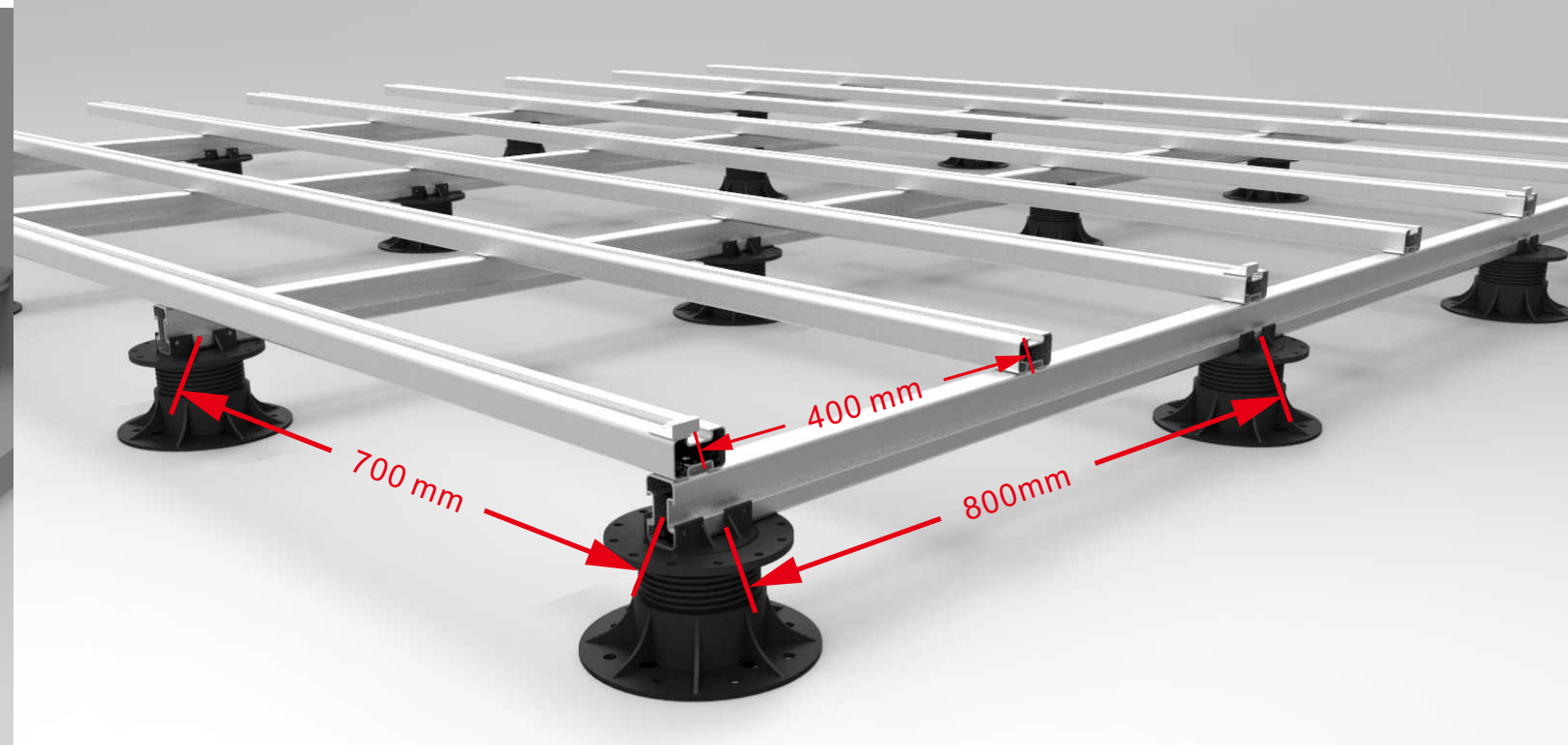
Adjustable Pedestal



Patented design



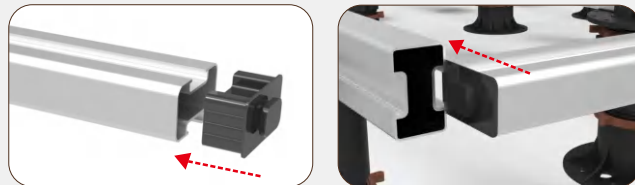
DIY Aluminum Joist System



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		+		×2		+		=	
MPD-G	355-460MM		+		×2		+		=	
MPD-I	380-550MM		+		×3		×2		=	
MPD-J	450-610MM		+		×3		×2		=	
MPD-L	500-740MM		+		×4		×3		=	
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.



Patents and test reports

Wind Resistance Test

intertek
Network.com
Test Report

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

Test Items, Method and Results:	
No.	Test Item
1	Wind resistance test
	<p>Test method: Client's requirements</p> <p>Requirements:</p> <p>The fencing system shall resist a maximum horizontal quarter point load of 372,1 N/m² x effective area of system (as 9 Beaufort scale or 9 wind level)</p>

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	<p>Test method: Client's requirements</p> <p>Requirements:</p> <p>The fencing system shall resist a maximum horizontal quarter point load of 372,1 N/m² x effective area of system (as 9 Beaufort scale or 9 wind level)</p>	There was no failure, nor any evidence of disengagement of any component, nor visible cracks in any component	Pass

Page 1 of 1

Patent of WPC Fence



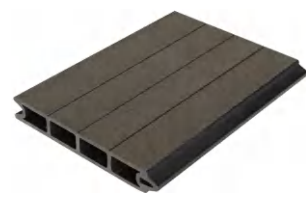
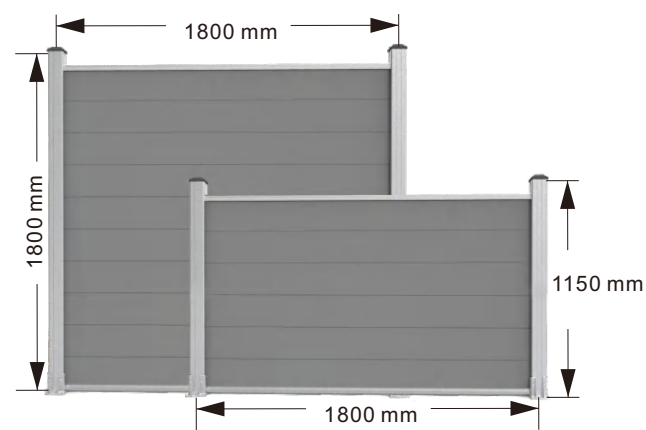
SGS Test Report



High-Technology Certificate for WPC Fence

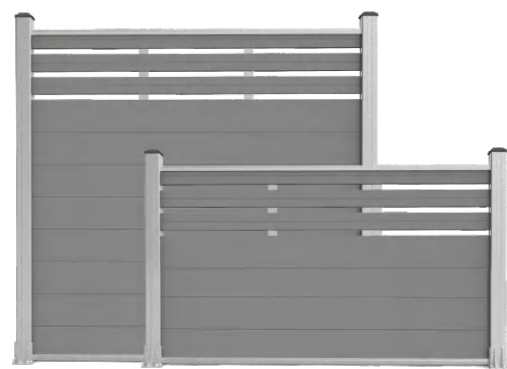


Privacy Fence



CF01
180×24mm

Mid-Trellis Fence



CF01
180×24mm

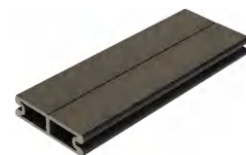
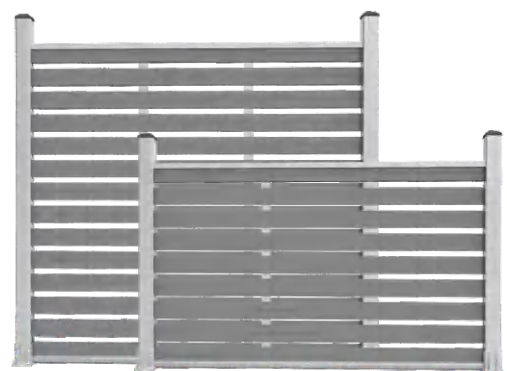


CF02
90×24mm



SPACER

Full-Trellis Fence

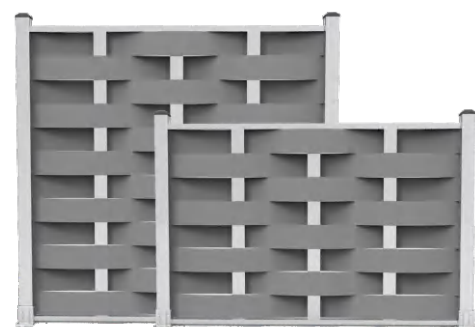


CF02
90×24mm

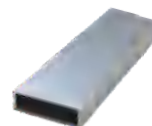


SPACER

Woven Fence

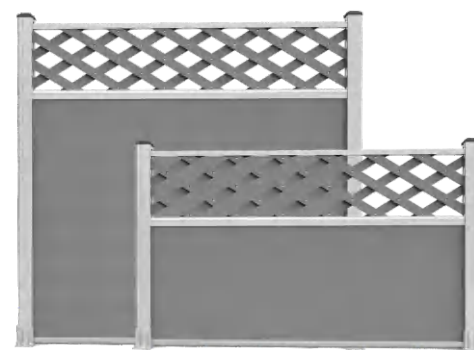


MF04
140×11mm



Vertical Alu Tube
76×25mm

Lattice Fence



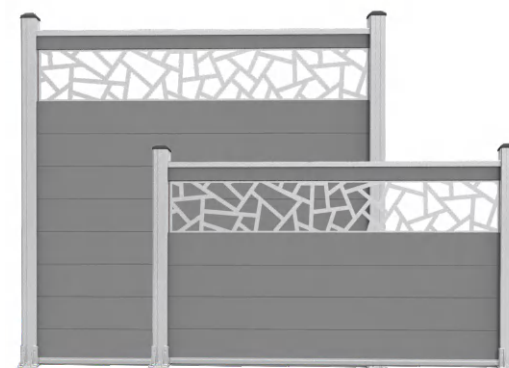
CF01
180×24mm



MIDDLE RAIL



Carving Fence

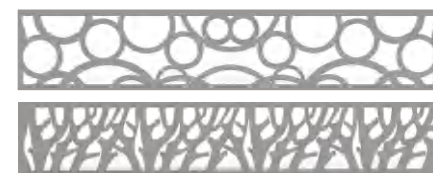


CF01
180×24mm



CF02
90×24mm

Optional carving styles

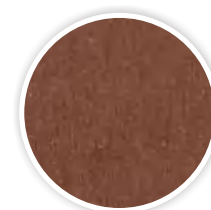


Fence Standard Size: W1800*H1800mm
W1800*H1150mm

Fence Panel Colors



Teak



Coffee



Dark Grey

Aluminum Frame Colors

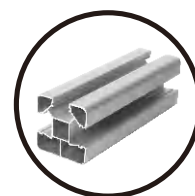


Aluminum



Black

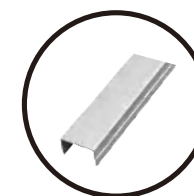
Accessories



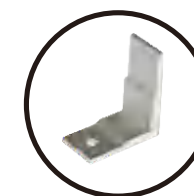
POST



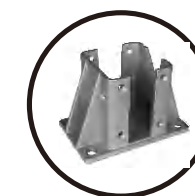
RAIL



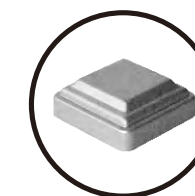
SIDE
COVER



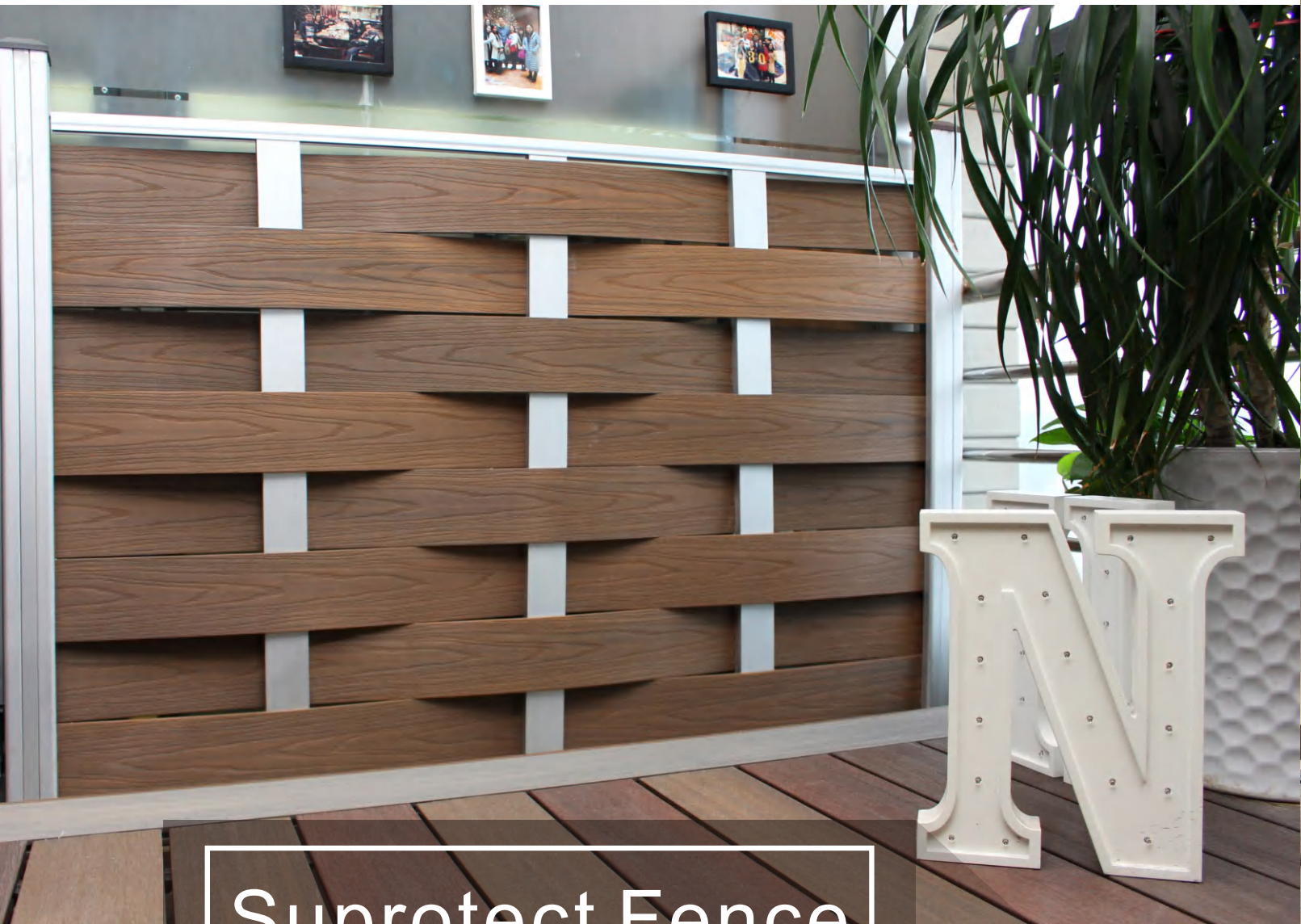
BRACKET
FOR RAIL



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



IPE



Walnut



Teak



Antique



Ashwood

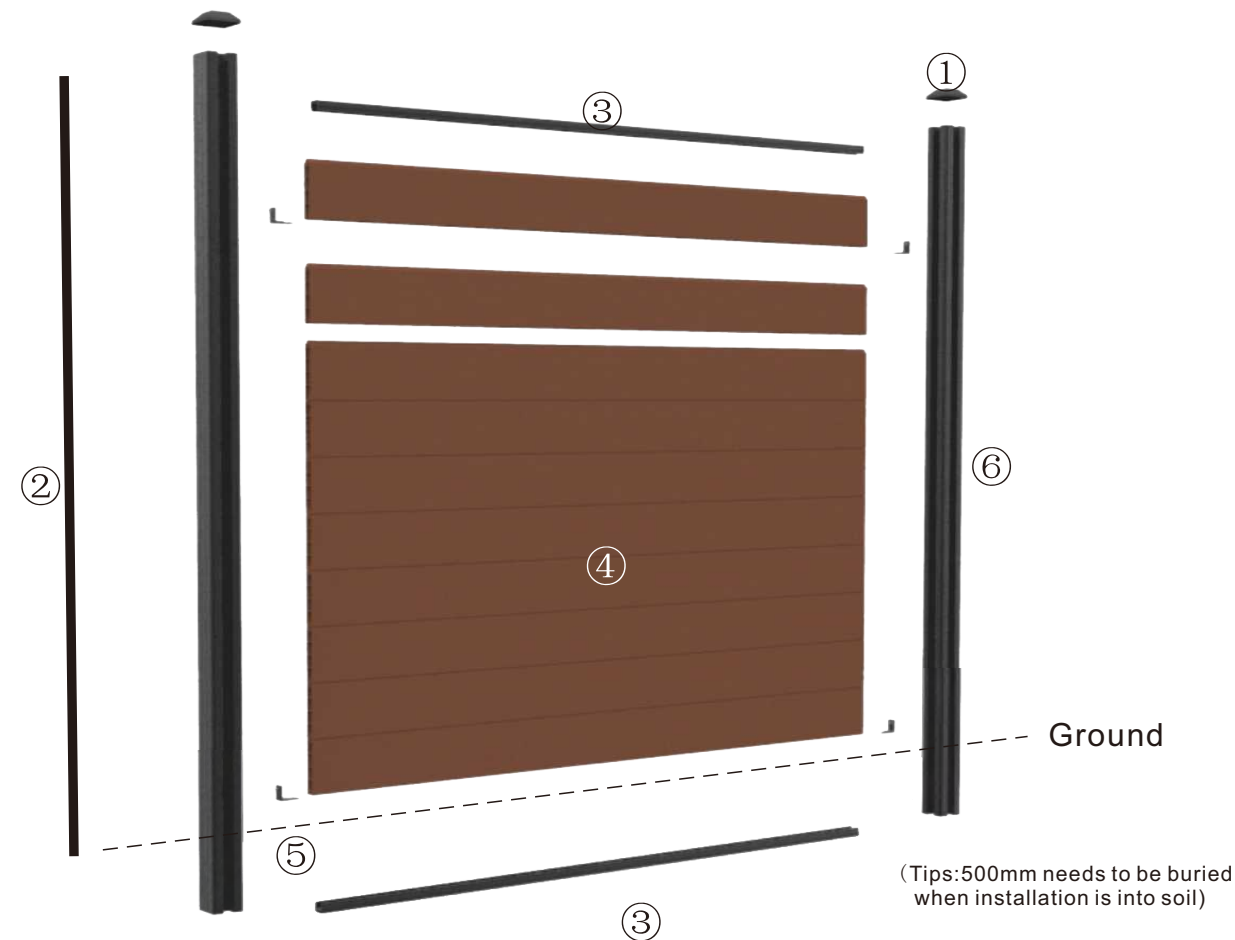


Dark Grey



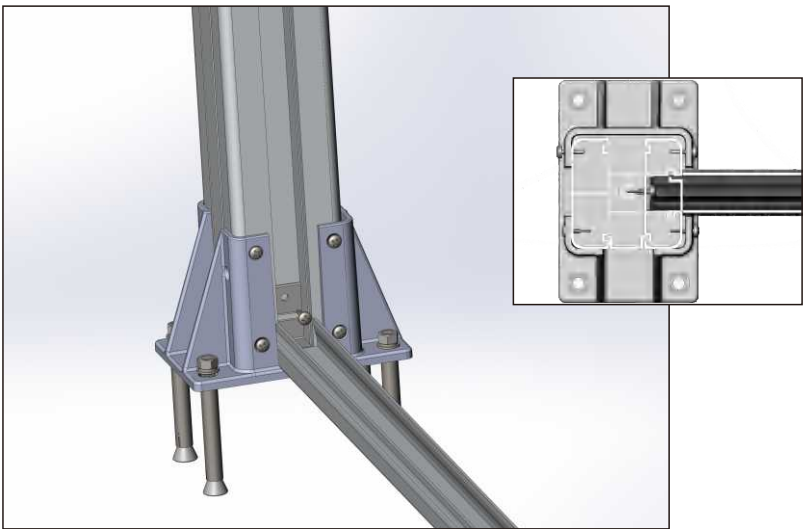
Outer layer

Accessories



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

Basement Instruction



RealgresFence 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.

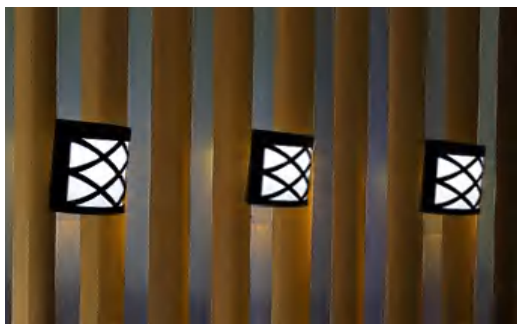


Aluminum



Black

Fence Light



FL02



FL03



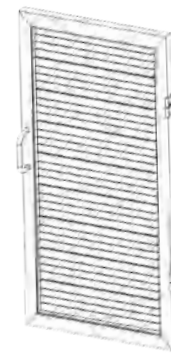
FL01

Fence Gate

Standard Gate



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



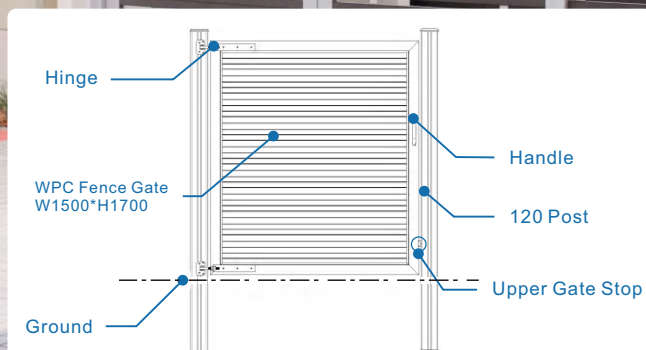
With handle



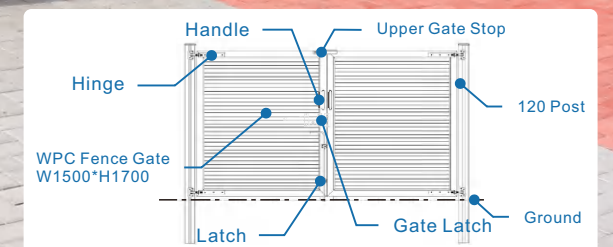
With lock

Standard Size: W900*H1700mm

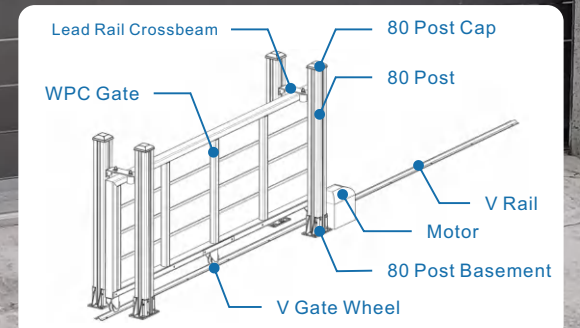
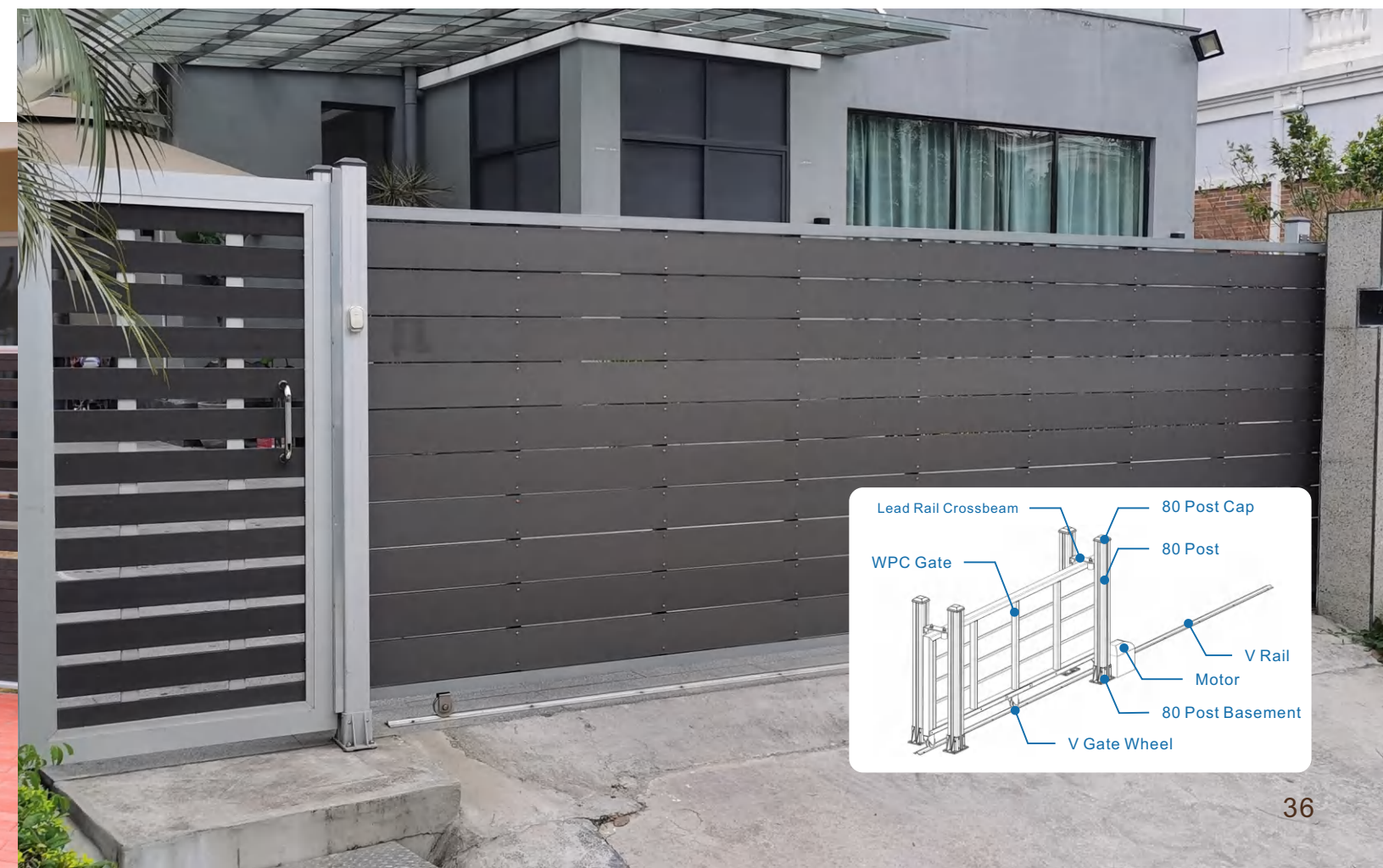
Single Gate



Double Gate

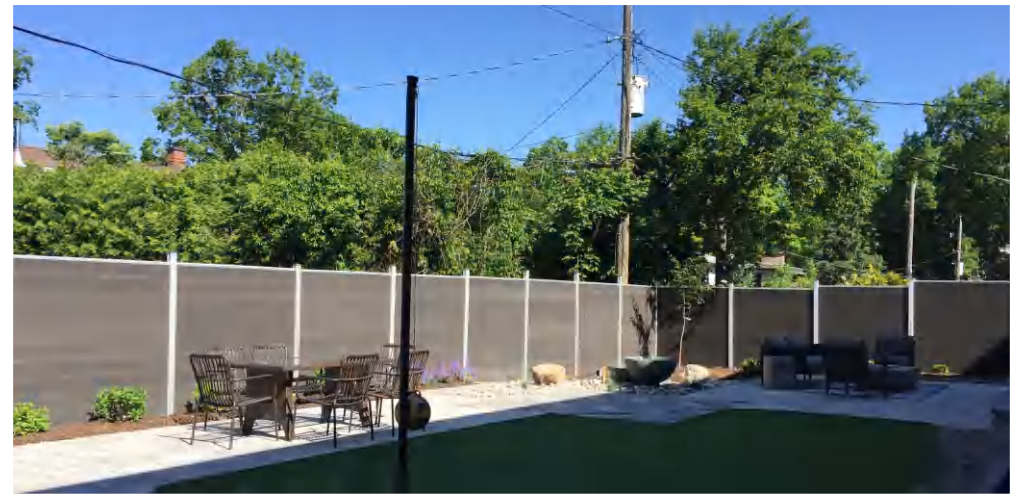


Sliding Electric Gate





Project Gallery



Canada 50meters Privacy Fence Project-2019



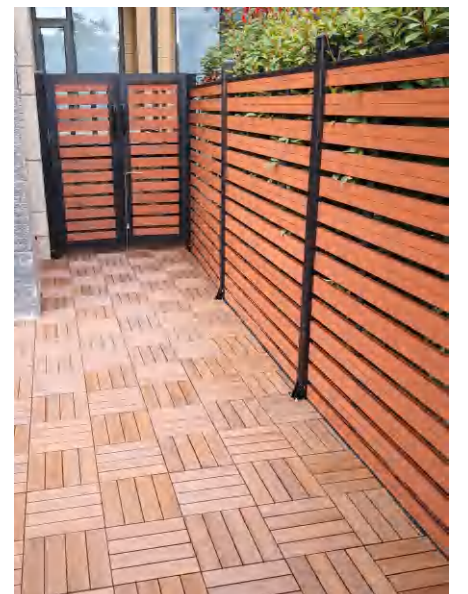
Zhaoqing 120meters Mid-trellis Fence Project-2019



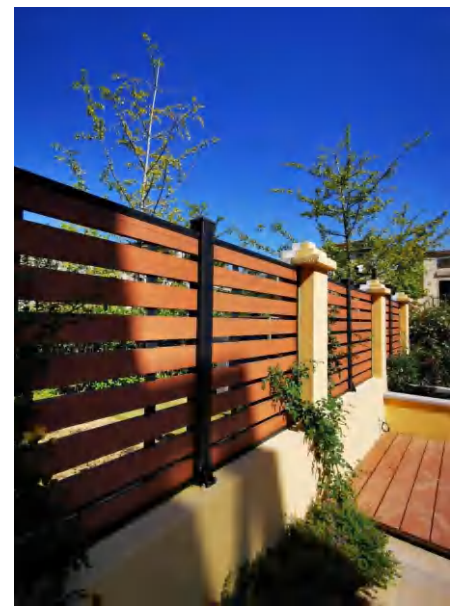
Jiangmen 1000meters Full-trellis Fence Project-2019



UK 97meters Mid-trellis Fence Project-2018



2019 Shanghai 200 meters



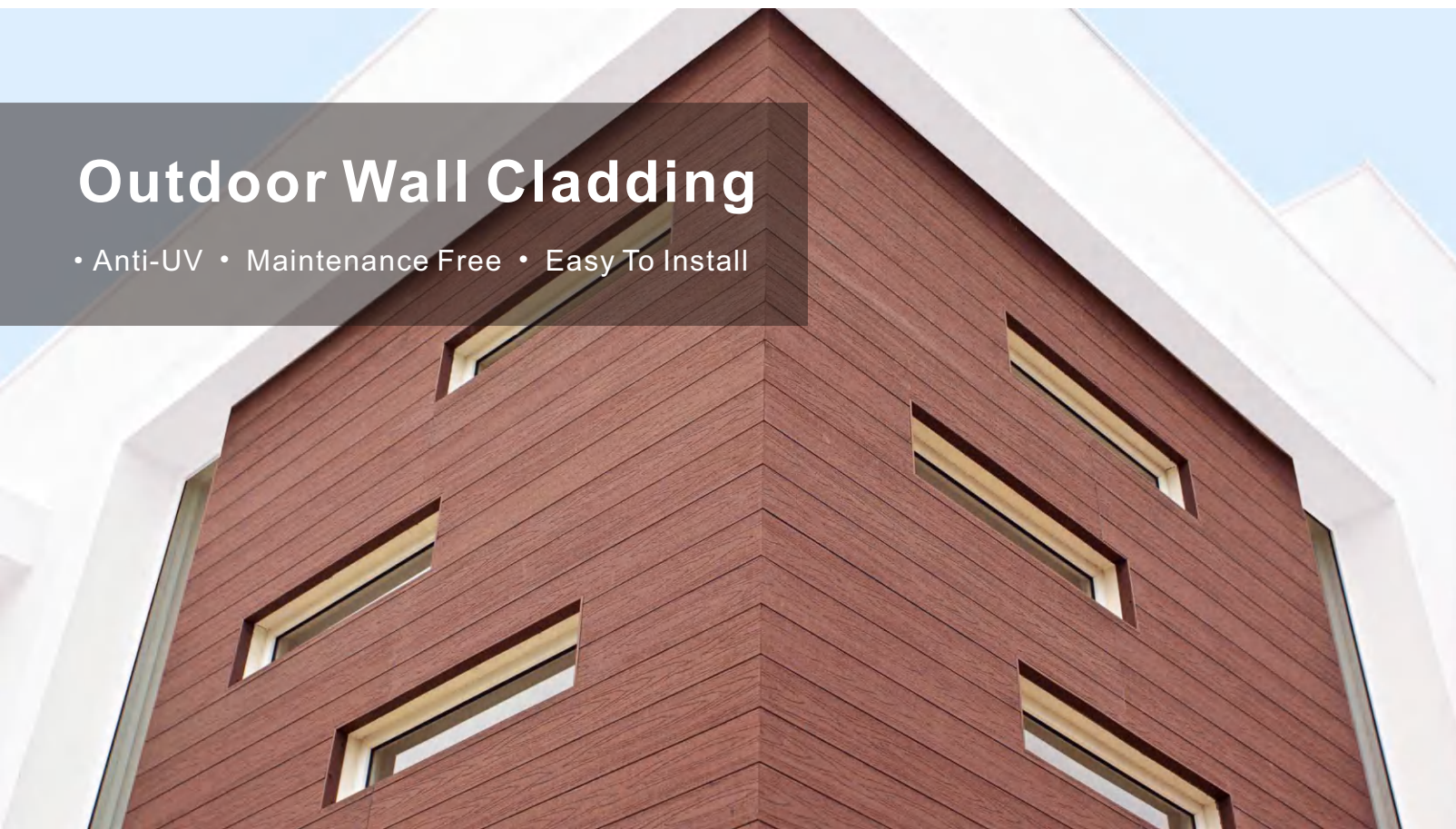
2019 Zhejiang 200 meters



2019 Canada 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



WP12 186×20mm

Optional Colors



Dark Grey



Dark Chocolate



Dark Coffee



Coffee

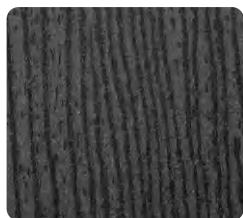


Mahogany



Teak

Surface Treatments



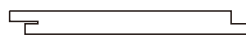
WG1



WG2



Sanding



SP-WP01
138×12mm



SP-WP03
156×21mm



SP-WP11
224×25mm

Optional Colors



IPE



Walnut



Teak



Antique



Ashwood



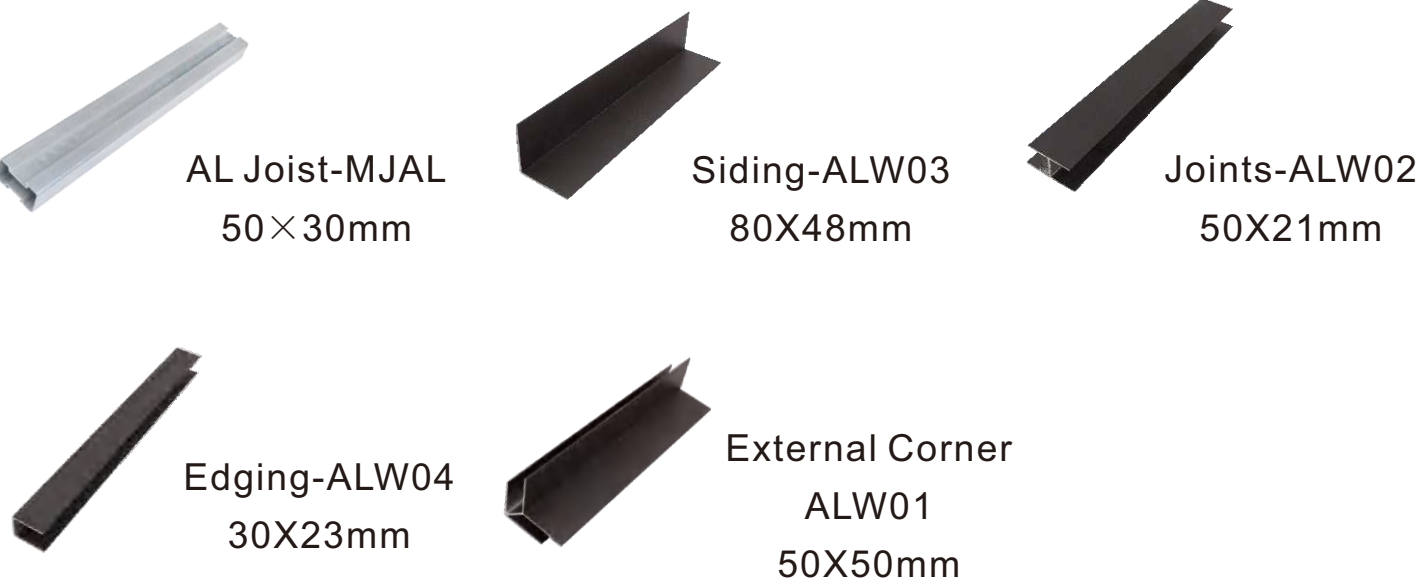
Dark Grey

Surface Treatments

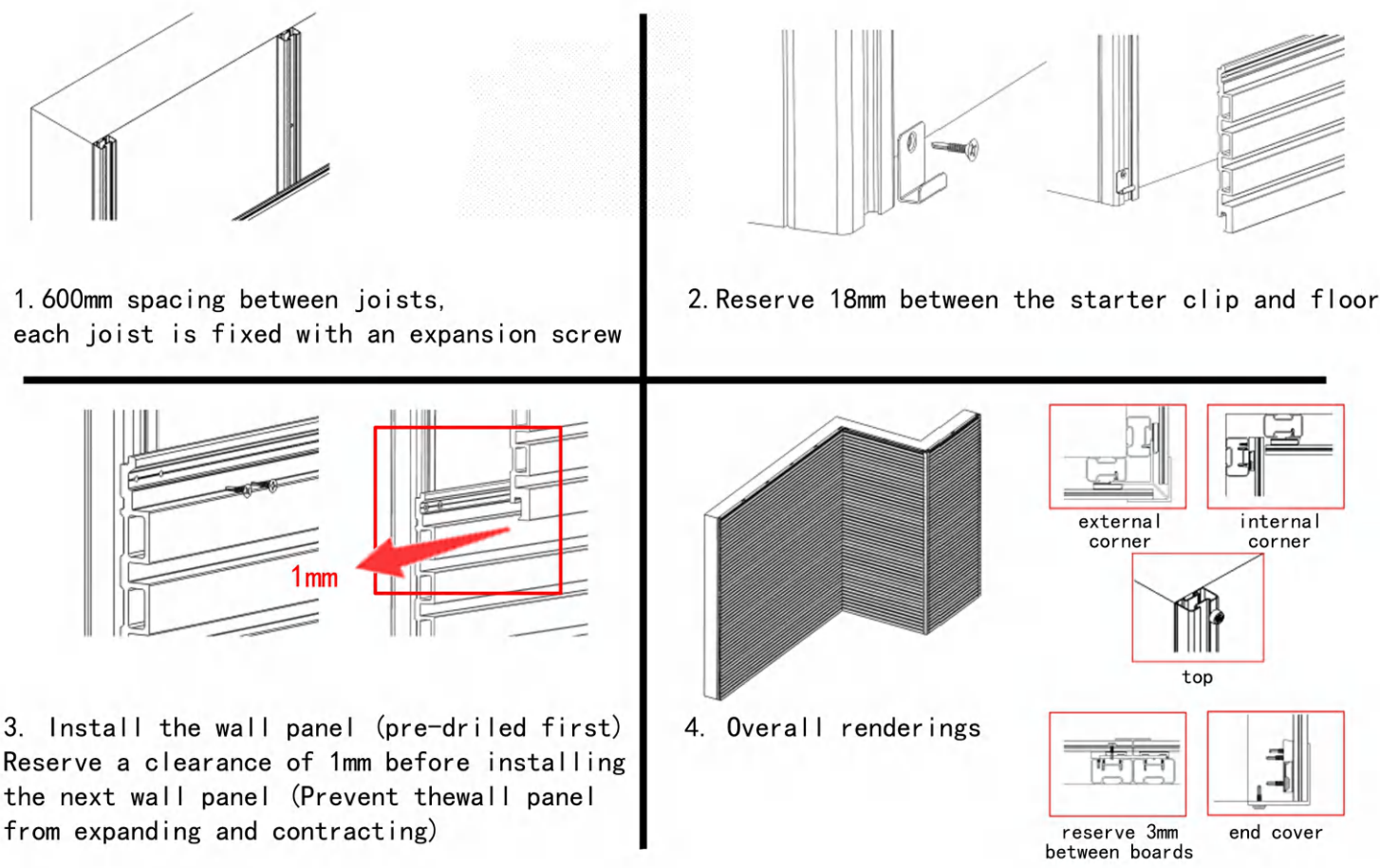


Brush


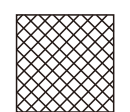

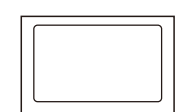

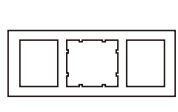

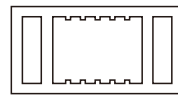

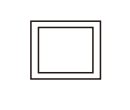

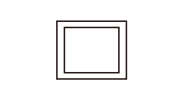

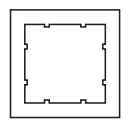

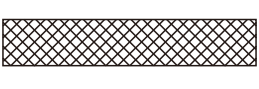

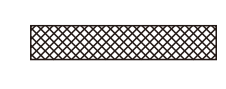
Aluminum Accessories



Installation






 MT30S30  30×30mm	 MT60H40  60×40mm	 MT90H40  90×40mm
 MT100H50  100×50mm	 MT50H50  50×50mm	 MT70H70  70×70mm
 MT90H90  90×90mm	 AU01  90×23mm	 AU02  60×20mm

Optional Colors

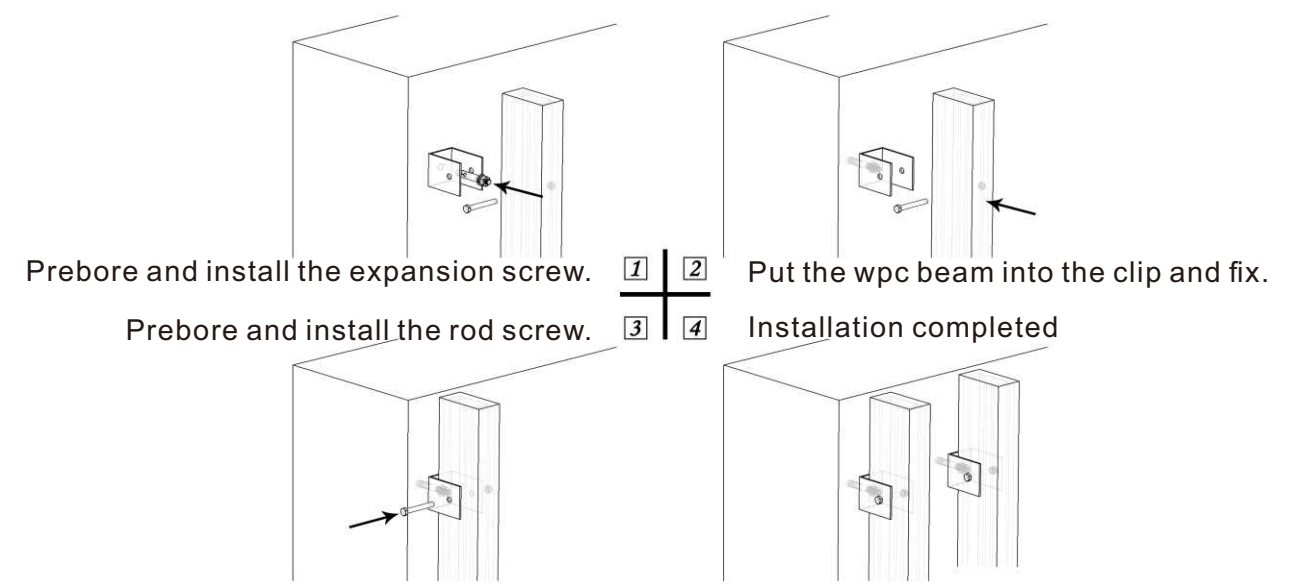
					
Dark Grey	Dark Chocolate	Dark Coffee	Coffee	Mahogany	Teak

Surface Treatments



Sanding

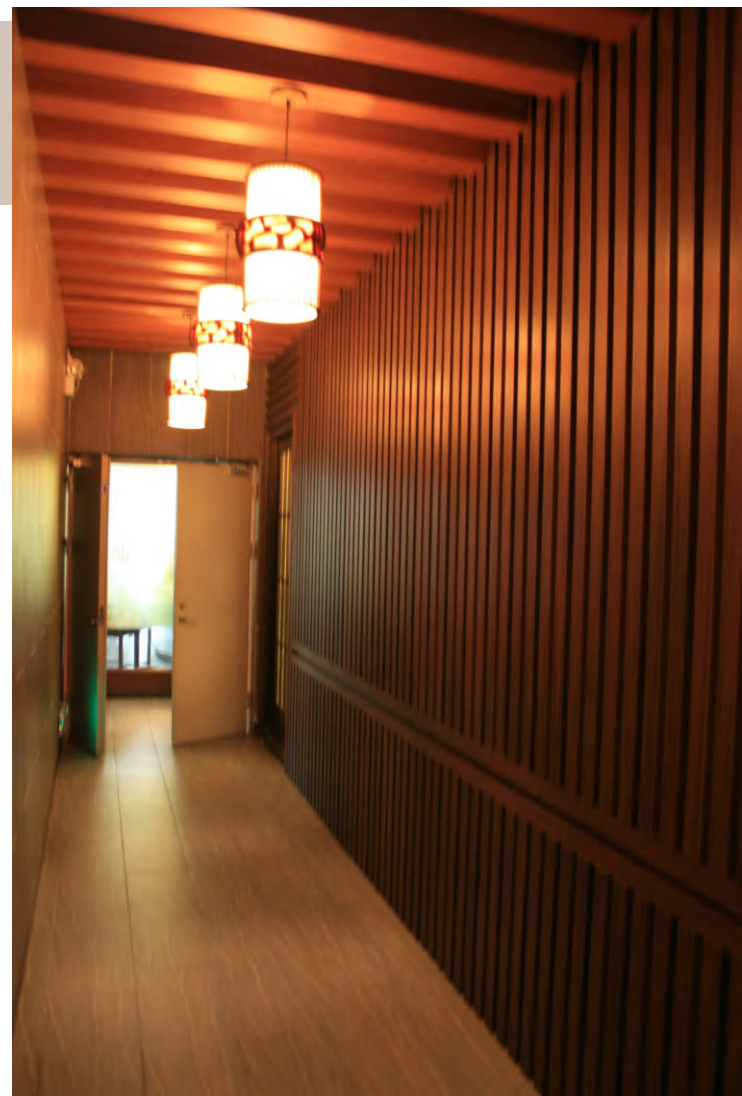
Simple Installation Drawing





Indoor Wall Panel

Realgrs Tech 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 water-proofing and easy cleaning, our indoor wall panel can be used in offices, hotels, houses, but also in natatoriums, bath room and 45 kitchens, etc.



EC05



120×8mm



EM07



250×12mm



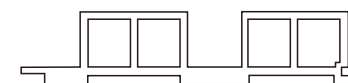
MW02



204×16mm



MW05



192×34mm



MW09



200×33mm



MW01



159×10mm



MW04



202×30mm



MW08



148×15mm

Accessories



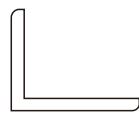
Siding-RC02



25×25mm



Siding-RC03



40×40mm



Joist-ID01



25×10mm

Optional Colors



Gold



Teak



Coffee



Red wood

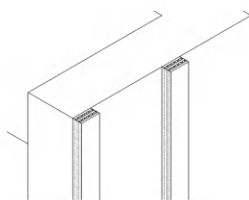


Rose wood



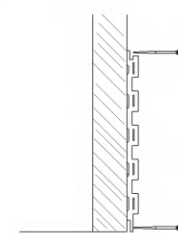
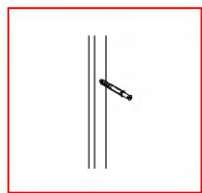
Black walnut

Installation Guide



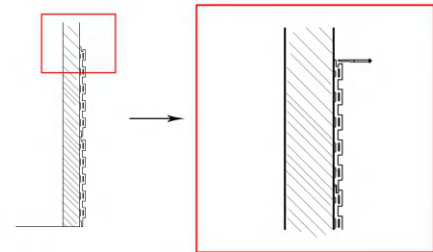
Joist span is 600 mm. Fix the joist every meter with expansion screw

1

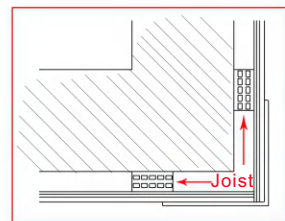


Install the bottom wall panel and fix it with air nail gun. Make sure the upper and lower concave parts are well-fixed

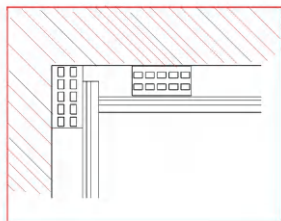
2



3



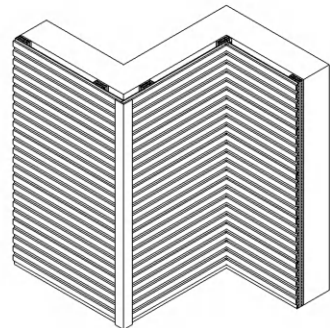
External Corner



Internal Corner

Detail demo

4



Complete demo

Project Gallery










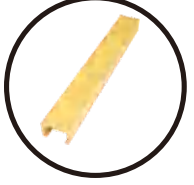






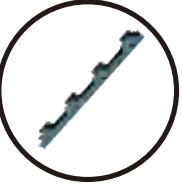




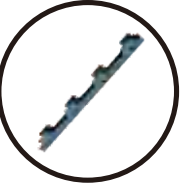
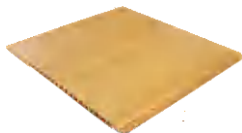




Eco-wood Ceiling



REALGRES Tech 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





3D design drawing

VS



Realistic picture

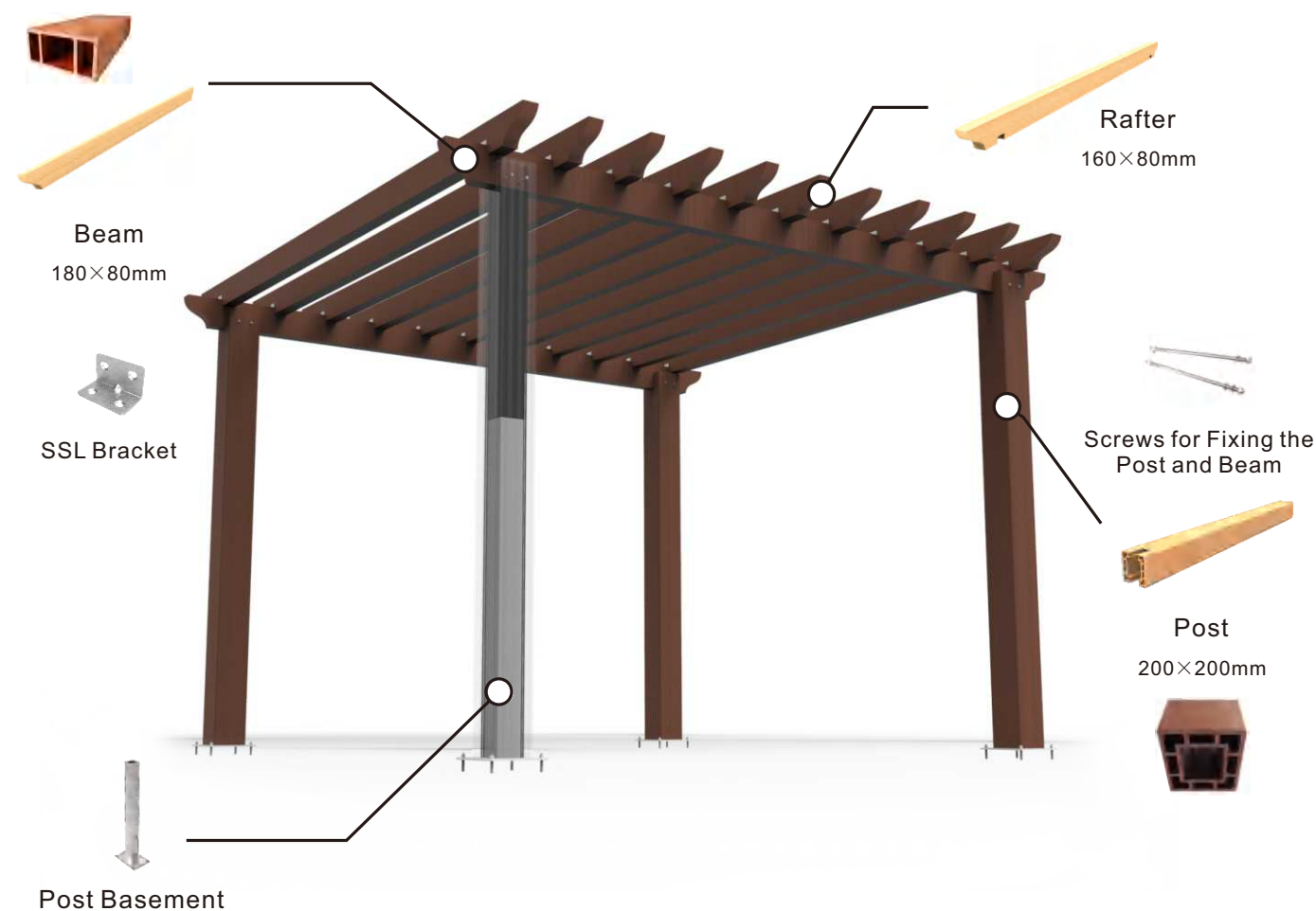


100% Wooden feeling

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

Pergola Series

- 100% Natural apperance
- Minimum maintainance
- Customization accpeted
- Free design service
- 24H7D technical team support
- All accessories included



S Type



Bevel Type

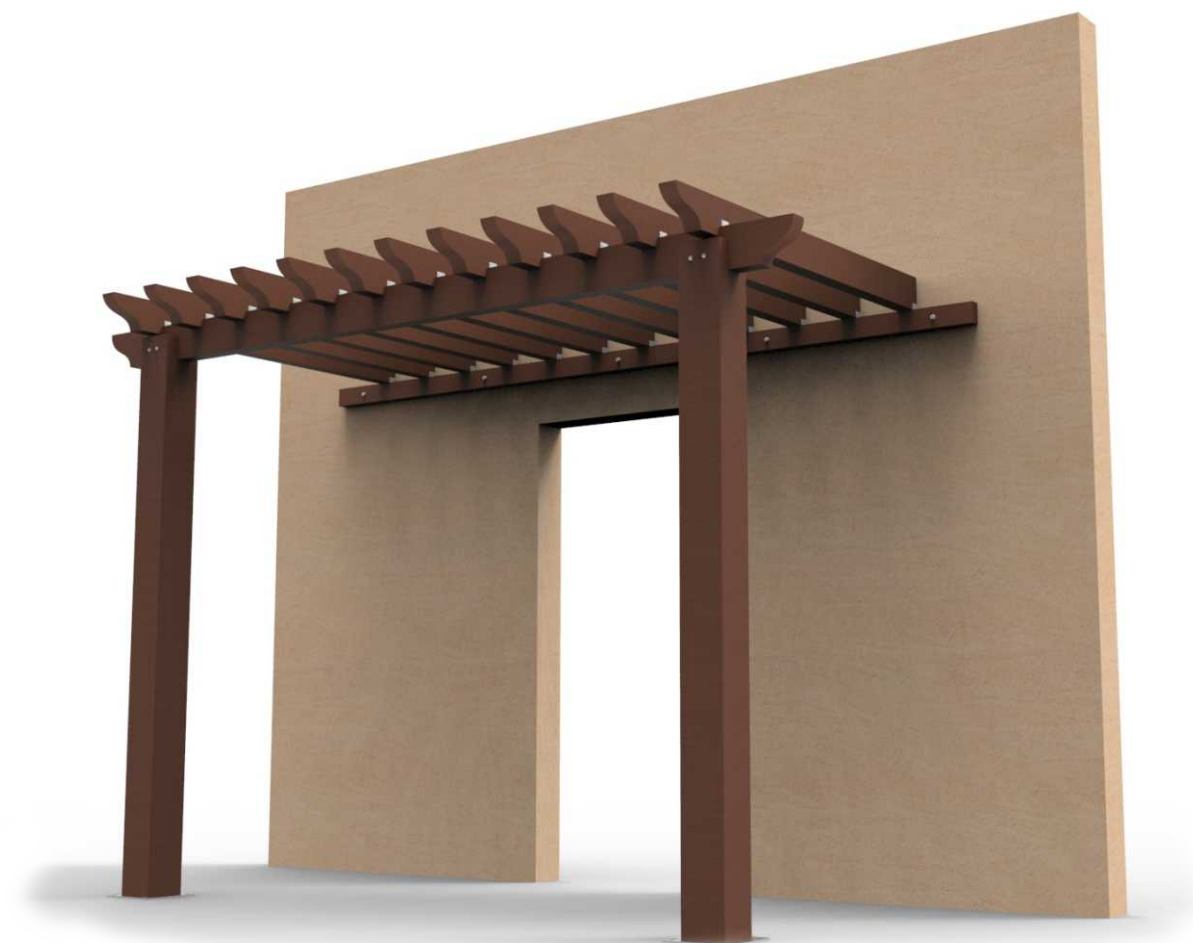


Flat Type





Style1



Style2



MB01
L1500*W530*H420mm



MB02
L1500*W610*H780mm



MB03
L1500*W430*H400mm



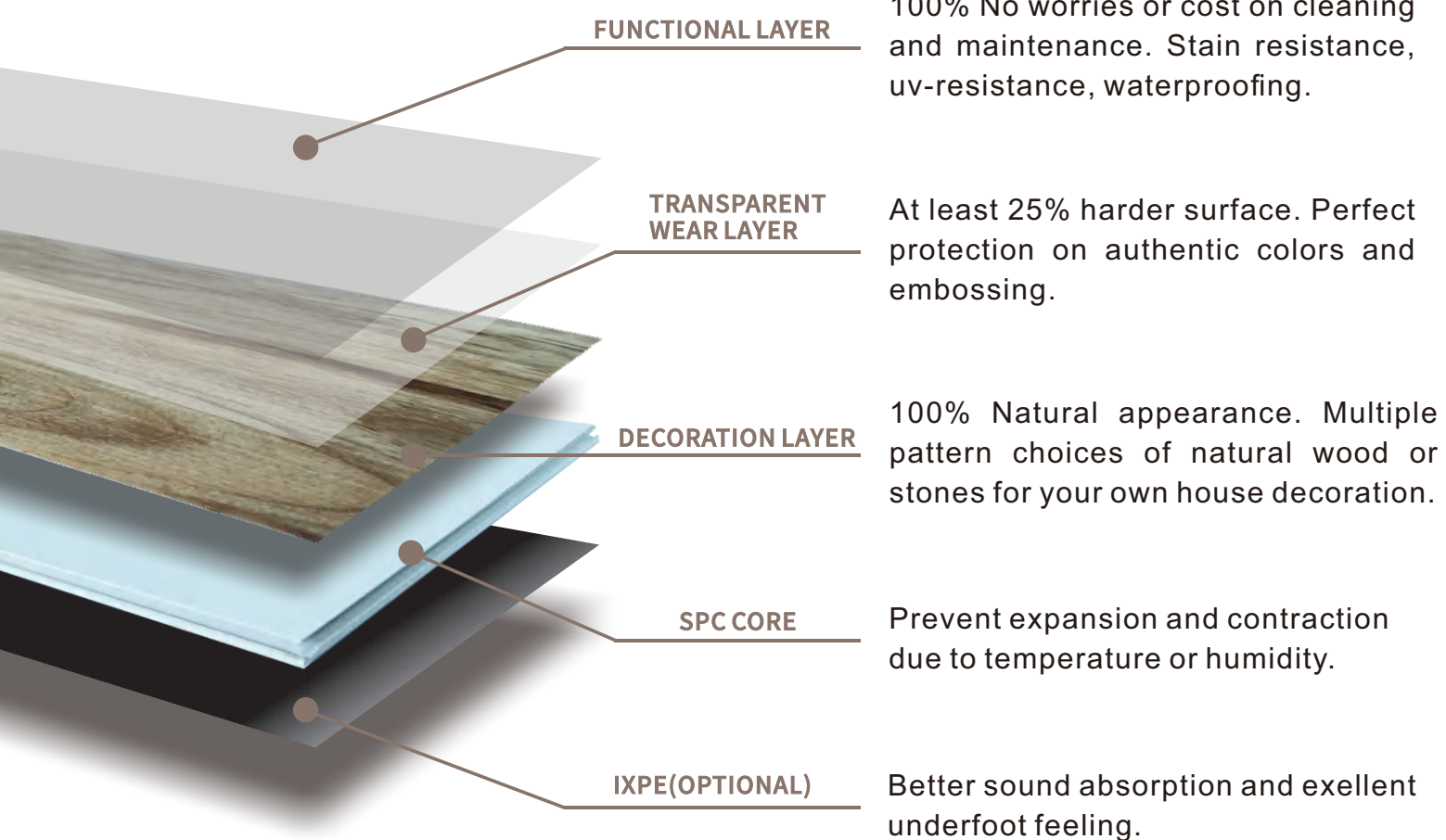
MB04
L1500*W510*H750mm



SPC Flooring



Product Structure



Optional Colors

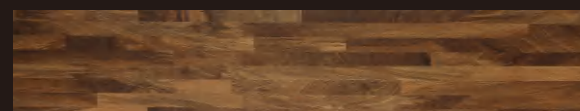
801



815



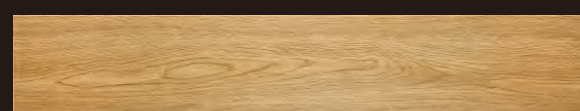
802



817



806



818



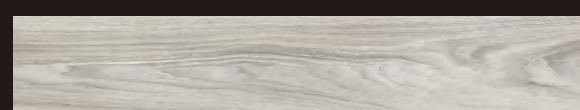
809



819



813



820



Garden Box



Outdoor Furniture



Gazebo



Other Landscape Series

WPC Handrail



Garden Fence




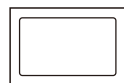



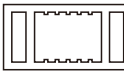




















Profile List

Suprotect Decking			
Model NO.	Product	Section Drawing	Size(mm)
BPS-01			140mm×22mm
SP-OR02			140mm×22mm
SP-ML04			145mm×22mm
WPC Decking			
Model NO.	Product	Section Drawing	Size(mm)
BPZ-01			140mm×25mm
Z-SB03			145mm×21mm
Z-OR02			140mm×22mm
BPW-01			140mm×25mm
SB03			145mm×21mm
ML02			140mm×23mm
OR02			140mm×22mm
Realgres Fence			
Model NO.	Product	Section Drawing	Size(mm)
CF01			180mm×24mm
CF02			90mm×24mm
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
MW08			148mm×15mm
EM07			250mm×12mm
EC05			120mm×8mm
MW09			200mm×33mm

Outdoor Cladding			
Model NO.	Product	Section Drawing	Size(mm)
WP03			145mm×21mm
WP12			186mm×20mm
SP-WP01			138mm×12mm
SP-WP03			156mm×21mm
SP-WP11			224mm×25mm
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)
MT30S30			30mm×30mm
MT60H40			60mm×40mm
MT90H40			90mm×40mm
MT100H50			100mm×50mm
MT50H50			50mm×50mm
MT70H70			70mm×70mm
MT90H90			90mm×90mm
AU01			90mm×23mm
AU02			60mm×20mm
<div><div></div><div></div><div></div></div>			