

TECHWOODN

Eco-friendly Material Manufacturer



CATALOGUE

WOOD PLASTIC COMPOSITE



“ ENJOY THE EXQUISITE LIFE
TASTE OUTSTANDING LIFE ”

Content

04	welcome to techwoodn
07	wood plastic composite material
08	decking system
10	color variations
13	installation
14	hollow decking list
15	solid decking list
16	how to care for your deck
18	warranty
20	elegant fence system
28	sheds
29	components
32	decking tile
34	planter

Professional Technology
High-End Products
Leading Innovator

TECHWOODN OVERVIEW

Eco-friendly material manufacturer



Zhuhai,
Guangdong
China



Cover 45000
Square Meters;
Supply 20000 tons
WPC Material



Sell in global
Europe, America,
Oceania, Middle East



TECHWOODN STATEMENT

TECHWOODN obtains certificate of ISO9001, ISO14001, CE, ASTM...and specialize in providing products, solutions and service in professional & DIY market, construction projects, special application field in global.



TECHWOODN has practical experience on water absorption, color fading, mildew, expansion and contraction of wood plastic composition material. Our technology team has extensive knowledge and worked through challenges in every aspect of this material and other related material. If you are looking for an architectural solution that is not only beautiful to look at, wood plastic composite material is the eco-friendly and green choice.



WHAT IS WOOD PLASTIC COMPOSITE



90% Recycle



Wood Fiber

Reclaimed wood fiber from furniture factories or wood working operations



HDPE

High-density polyethylene.
Reclaimed milk bottle, shampoo bottle



Additives

Anti-UV, lubricant, pigment

FEATURES AND BENEFITS



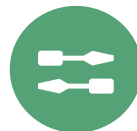
Approx. 90% recycled materials, produced of recycle wood fiber and recycle plastic.



Environmental friendly, saving forest resources. With natural wood grain and wood colors.



No need to paint, stain or oil required, low maintenance to ensure the longevity of your design.



Easy to install with low labor cost. The cutting and drilling as do with normal timber, hidden clips and screw fixable.



Resistant to termite and insect attack, will not split, rot or warp.

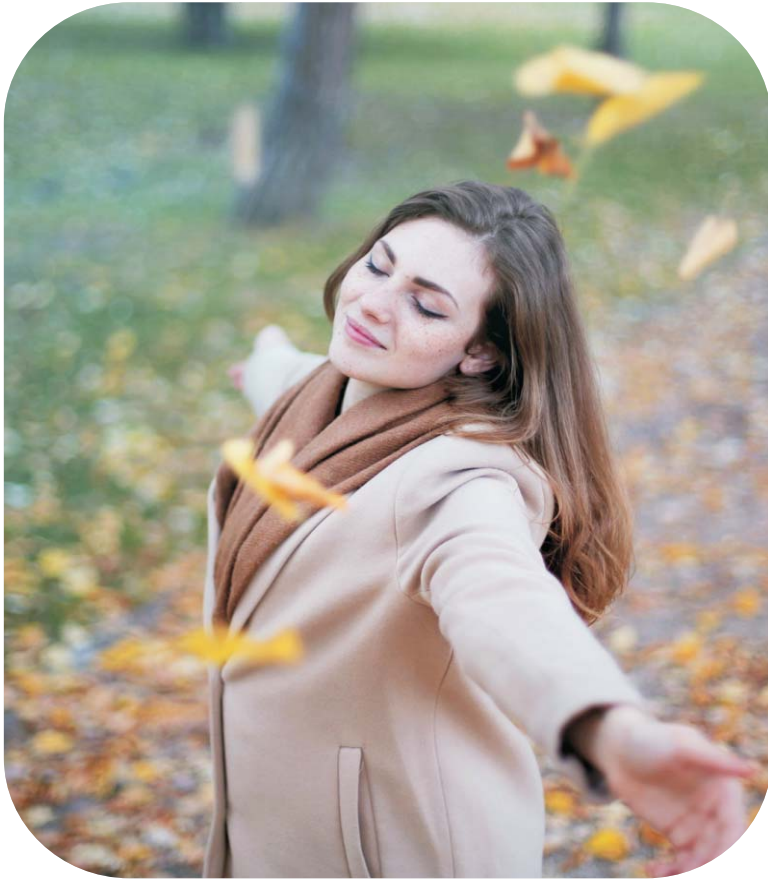


High performance, slip-resistant composite board that will withstand years of sun, rain, sleet and snow

DECKING



TECHWOODN offer great strength and high performance decking, which is good for private garden, swimming pool, balcony, boardwalk projects, marine, harbor. We have certificates such as ISO9001, ISO14001, CE, ASTM and REACH. Unlike the traditional hardwood, our wood plastic composite decking board will not have rot, splinter, or warp issue.



We insist to provide environmentally, low maintenance, easy installed solution to meet customers garden decoration requirement.

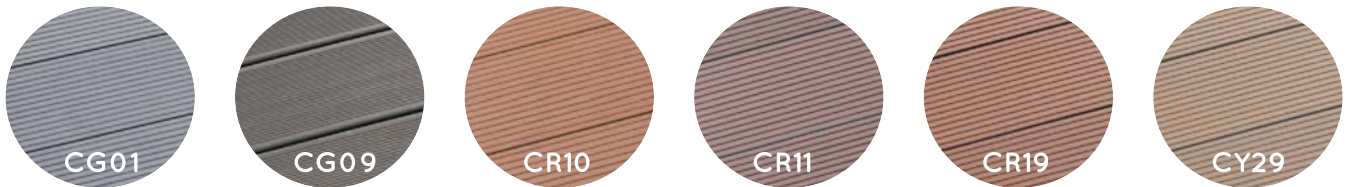
To protect the environment and our life, stop cutting forest, there is no doubt that to select the wood plastic composite material.

TECHWOODN experienced lab techs and operators all take extreme pride in the quality of the finished product.





CLASSIC COLOR



MIX COLOR



Color variation after weathering. It fades slightly without fading to grey or black. During the first weeks exposed to outdoor, there will be a light brown yellow color shift. The process rarely takes longer than 6 weeks, after which it returns to its natural weathering. This shift is more visible on grey colors than on brown one. Therefore, if one buy another board and install it few weeks after the other one, it will see a different color.

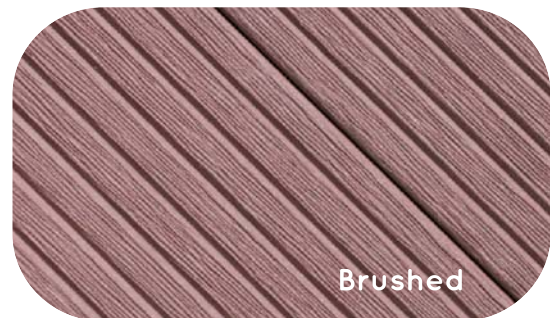


REAL WOOD LOOKS — VINTAGE WOOD

Color-MIX - the surface is sanded and carved to form a true vintage natural looking wood plank! No two boards look alike.



SURFACE TREATMENT



S Sanded / B Brushed / A Accent / E Engraved

FASTEN CLIPS INSTALLATION SYSTEM



Solid and hollow substructures are optional, different size for different installation environment.

HIDDEN CLIPS AND SCREWS ARE AVAILABLE



Start rail can finish and seal your new decking, with the same material and formula as the decking boards.

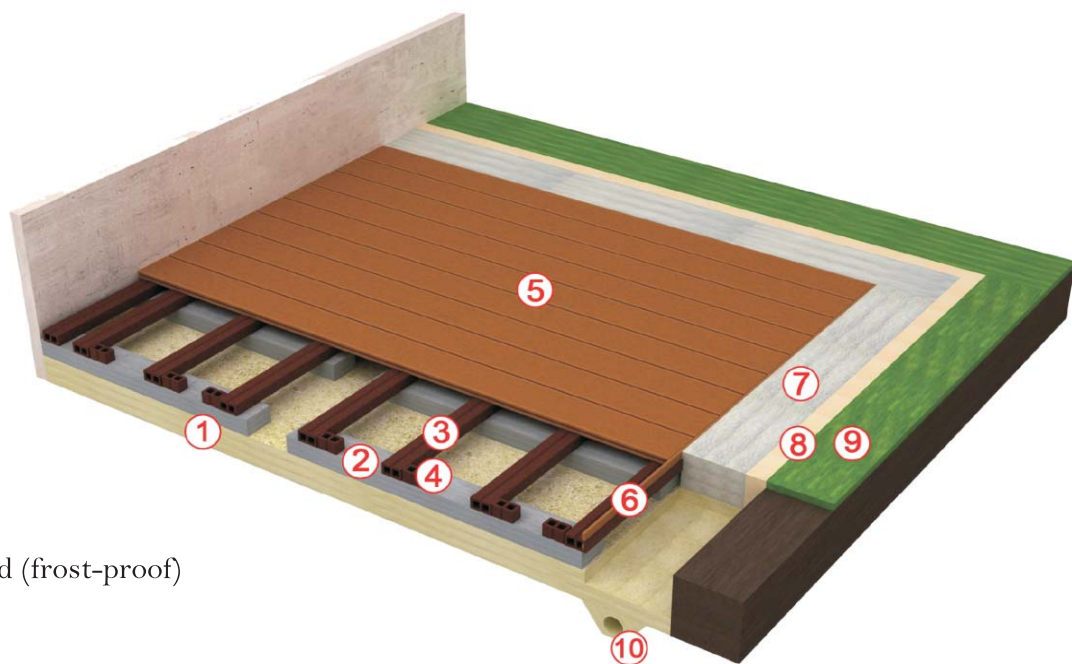


Secure the decking boards with the clips on the substructure and using the screws to fix it.



Start the installation, using the starting clip before fixing the first decking board.



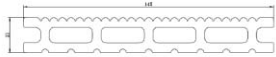







1. Gravel or ballast bed (frost-proof)
2. Concrete slabs
3. Substructure beam
4. Block
5. TECHWOODN decking boards
6. Start rail as a terrace surround
7. Surrounding gravel bed
8. Surrounding edging stone on sand or lean concrete
9. Turf
10. Drainage

INSTALLATION



HOLLOW DECKING LIST

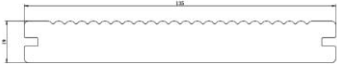



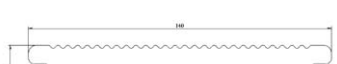
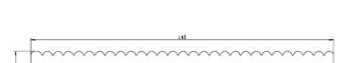
No.	Profile	Item Code	Treatment Selection	Span Private	Span Commercial
01		TW21-145H1	B,S	350mm	300mm
02		TW23-146H1	B,S,A	400mm	350mm
03		TW25-135H2	B,S,A	350mm	300mm
04		TW25-140H3	B,S,A	400mm	350mm
05		TW25-150H4	B,S,A	400mm	350mm
06		TW30-145H1	B,S,A	450mm	400mm

Treatment:

S Sanded / B Brushed / A Accent / E Engraved / 0 No treatment

With narrow spaced grooves on one side and a flat surface on the other side, therefore we recommend installing groove side up to get a robust anti-slip walking surface.

SOLID DECKING LIST

No.	Profile	Item Code	Treatment Selection	Span Private	Span Commercial
01		TW19-135F1	B,S,A,E	350mm	300mm
02		TW21-145F3	B,S,A,E	350mm	300mm
03		TW23-146F2	B,S,A,E	450mm	400mm
04		TW25-135F2	B,S,A,E	450mm	400mm
05		TW25-140F3	B,S,A,E	450mm	400mm
06		TW30-145F1	B,S,A,E	500mm	450mm

TECHWOODN products are not without maintenance, however only require a fraction of the maintenance timber decks demand to stay looking great. Proper maintenance will go a long way to retaining the fresh look of your deck. We suggest you periodically clean your decking, even if it appears clean.

HOW TO CARE FOR YOUR DECK

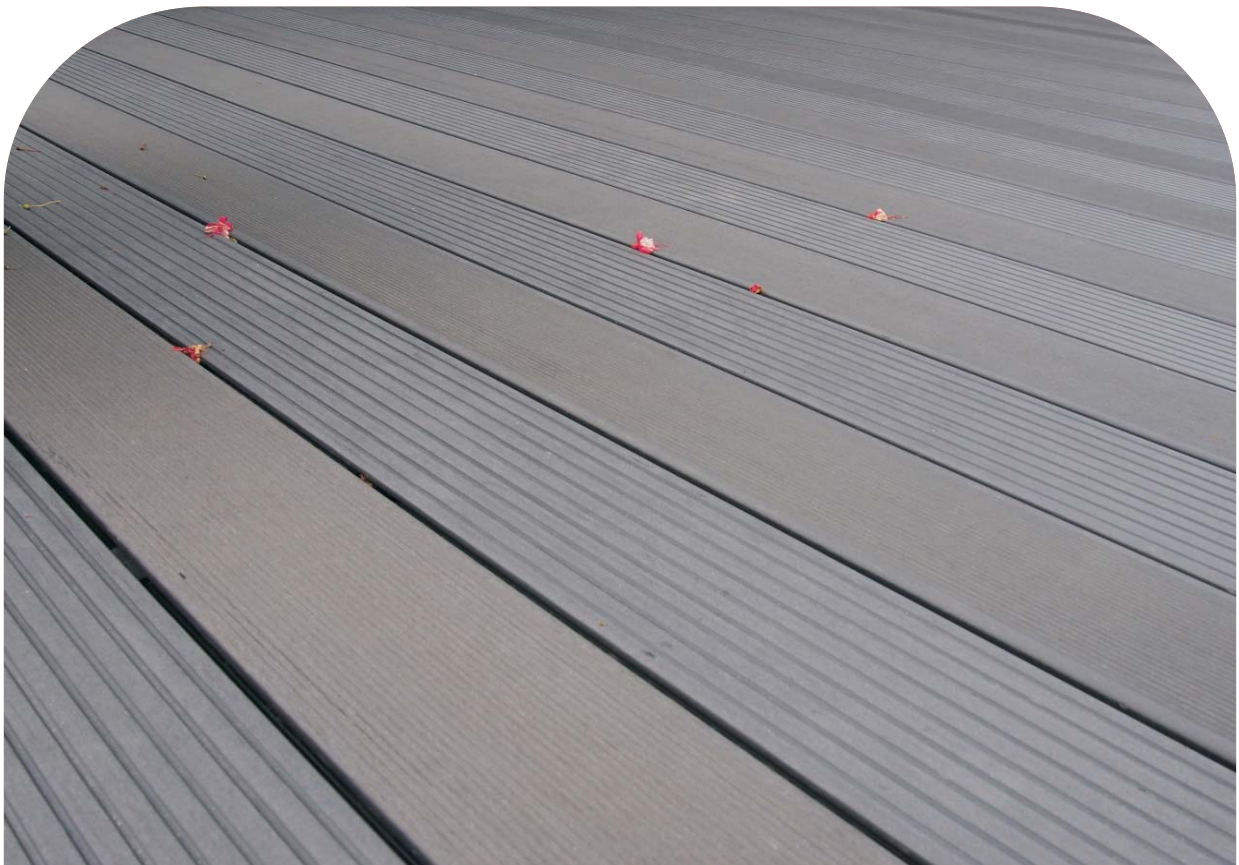
Dirt, Grime, Tannin and Mildew Stains

TECHWOODN products are formulated to inhibit mildew growth and minimize staining. Rinse off your TECHWOODN products periodically with a hose.

Even if it appears clean, it is important to prevent buildup of pollen/debris. Mildew stains may occur where moisture, pollens, and/or dirt are present. Mildew needs a food source to grow, which can be grass, pollens, dirt, debris, wood and wood resins.

Maintaining a clean, dry surface is the best method for combating mildew. Ensure that water drains effectively from your deck. Keep weep holes clear and unclogged on planks. Be sure that gaps exist between planks to allow for drainage.

Like any wood-based product, TECHWOODN wood plastic composite products may experience a naturally occurring process called Extractive Bleeding. This process may cause a temporary discoloration that will weather away. In most cases the weathering process takes 8-10 weeks but could vary depending on location and specific product application such as a covered porch.



Spot Stains

Many stains can be cleaned with soap and water. Areas cleaned may lighten, this will require 8-10 weeks exposure to the sun to match the remaining product.

Scratches, Nicks, Cuts and Grooves

Scratches, nicks, cuts and grooves can be eliminated by using a wire brush. Brush in the direction of the grain of the product. The brushed area will weather back in approximately 8-10 weeks.



**GOOD VENTILATION
IS ESSENTIAL
DURING
INSTALLATION**

CO-EXTRUSION DECKING

PREMIUM QUALITY No splinters - good for barefoot comfort! Slip resistant - ideal for outdoor living, perfect for decks, courtyards, wharfs and swimming pools. TECHWOODN is made from carefully selected recycled and recyclable wood fiber and polymers.



Profile: Round Hollow

Size: 23x138mm

Color: Six Colors

Treatment: both sides with wood grain

Length: optional



Profile: Solid

Size: 23x138mm

Color: Six Colors

Treatment: both sides with wood grain

Length: optional



WARRANTY

TECHWOODN products are designed and made to provide years of low maintenance use and enjoyment. TECHWOODN decking and fencing products are covered by 15 years (Solid Profile) & 10 years (Hollow Profile) limited warranty for private applications and 10 years (Solid Profile) & 5-years (Hollow Profile) limited warranty for commercial applications. The products are guaranteed against termites, cracking, splitting, decay, rot and splitting.



ELEGANT FENCE SYSTEM

TECHWOODN DIY fence is an aesthetic and innovative fence concept combining a variable angle post with a powder coating aluminum finishing strip. Tongue and groove 160mm panels of WPC.



DIY FENCE COMPONENTS:

Fence Board

TECHWOODN DIY fence boards are 21X160mm and in length of around 1800mm. Choice of colors: classic color and mix color.

Post

Aluminum post size: 73X66mm powder coating surface finish. Height available: 1925mm for use with post support; 2400mm for fixing in cement.

Post Cap

Aluminum post cap.

Post Finishing Profile

These provide an attractive finish for the first and last posts.

Post Support

Fixing post supports, for fixing posts in concrete slabs.

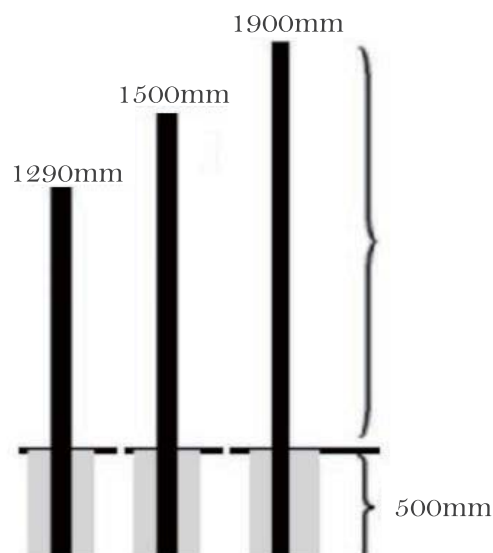
Top Rail

Cover the last fence board on the top of the fence.

Bottom Rail

On the bottom of all the fence boards.

POST WITH CONCRETE FOOTING



Advantages:

1. Tough weather resistant-absolutely
2. Crack-free-no dangerous splinters
3. Nice design on both sides and for the neighboring
4. Dyed-no painting or finishing processes
5. Resistant to insects and fungi
6. Easy care-clean with just water
7. Environmentally friendly-no tropical wood
8. Recyclable - 90%, recycle
9. Easy assembly



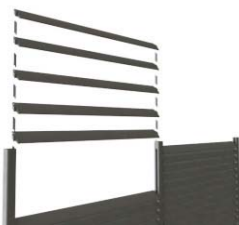
ELEGANT FENCE



ALUMINUM DECORATION PANEL



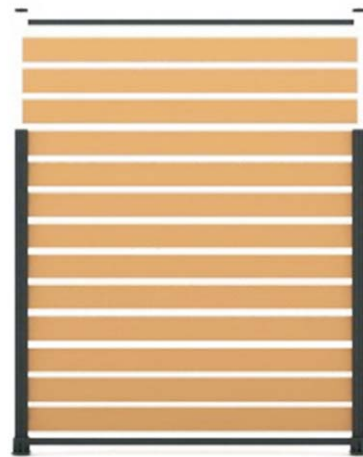
LOUVRE FENCE SYSTEM



ILLUSION FENCE



ILLUSION FENCE SYSTEM

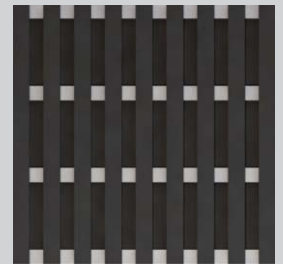


FENCE PANEL

Fences can have many functions, and our wide range includes options for all scenarios. No matter if you're enclosing your garden for privacy, ensuring that your children or pets are secure, or using a fence to create beautiful space within your garden, we'll have something for you.



CODE: FB0101



CODE: FB0201



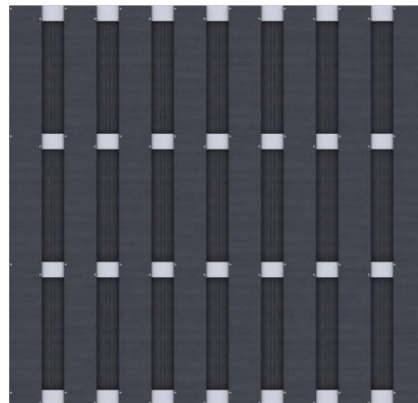
FENCE PANEL

The size of the slat board is 10x115, the finished size is the same as the traditional wood fence. It means that you can change wood fence to bWPC fence panel directly, but no need to redo any post or foundation support. Using TECHWOODN fence panel, you can enjoy the ideal outdoor living. Once the panel is complete, it can be used for many applications residential or commercial. Simply connect with nails or screws through the frame and into a surrounding structure of your own design.

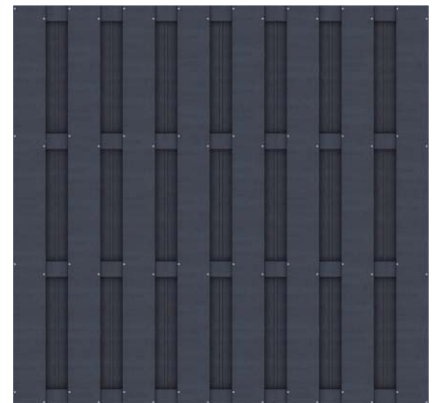


The measure of the fence panel is 1800x1800 mm, the size of the slat board is 8x140.

With 4 pieces aluminum beams for substructure. TECHWOODN fence panel is produced with individual pieces such as boards and rails.



CODE: FB0301



CODE: FB0401



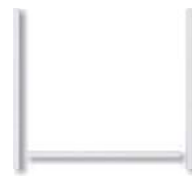
TECHWOODN fence panel is produced with individual pieces such as boards and rails.

Wood fence have a traditional look but requires ongoing maintenance. You may need to paint or strain them every few years. TECHWOODN fence panel is attractive and low-maintenance. It is available in looks similar to the woodpanel. The recycle composite materials require an occasional rinsing, but aren't subject to rot, fading or other effects of weather and time.

Royal Park Garden Fences are designed for durability, and as a timeless and maintenance friendly modular garden fence system.

ASSEMBLING ONLY IN
A FEW EASY STEPS

1-Key



ROYAL PARK GARDEN ELEMENTS

Our Colors

Royal Park WPC boards comes in 5 exciting basic colours to combine with warm silver or smoked black aluminum post.

TECHWOODN has been manufacturing high quality outdoor products for years. Through lasting partnerships we develop innovative designs and tailored brand solutions. We only use the best materials.

This new range of Elements fencing, mixing composite with acrylic, louvre panels and decoration bars brings this garden fences into it's elegance and simple functionality.



Combine with
any panel
or boards

ROYAL PARK GARDEN FENCES

TECHWOODN composite is created with a unique blend from wood fibers, polypropylene, polyethylene and natural minerals, making it much more durable and long lasting. Elements fences represent the "best in class" for your composite fences is a mix of 30% polyethylene, 50% wood and 20% of natural minerals and additives perform the best results in shrinking, expansion as well as water absorption and makes this superior to most traditional composite garden fences.

Specification WPC:

Dimension 18x250 MM

Weight 1.40 g/cm³

Heat Resistance till 99°C

Water Absorption < 1%

Aluminum:

Powder Coated

Alloy 6063-T5



Aluminum Door



Decoration Bars



Transparent
Acrylic Panel

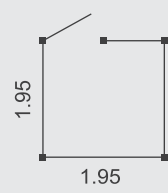


Double Frosted
Acrylic Panel

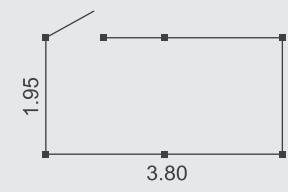


Transparent
Acrylic Panel

SHEDS



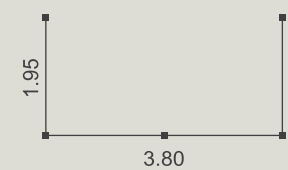
EA1900 smoked black / mix brown
EA1905 warm silver / mix brown



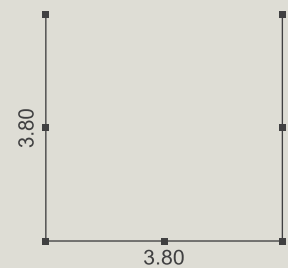
EA1910 smoked black / mix brown
EA1915 warm silver / mix brown



GAZEBO



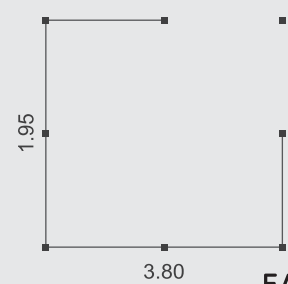
EA1920 smoked black / mix creme
EA1925 warm silver / mix creme



EA1930 smoked black / mix creme
EA1935 warm silver / mix creme



PAVILION



EA1940 smoked black / antracite black
EA1945 warm silver / antracite black

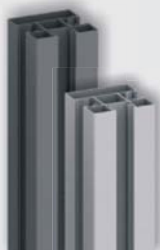


COMPONENTS

Post



Aluminum post 2 slots 7 x 7 cm
EA0053 smoked black 200 cm
EA0054 warm silver 200 cm
EA0033 smoked black 240 cm
EA0034 warm silver 240 cm



Aluminum post 3 slots 7 x 7 cm
EA0353 smoked black 200 cm
EA0354 warm silver 200 cm
EA0333 smoked black 240 cm
EA0334 warm silver 240 cm

WPC fence boards

1.8 x 25 x 183 cm
 light grey **EA0818**
 antracite **EA0819**
 mixed brown **EA0820**
 nut brown **EA0823**
 mixed cream **EA0821**

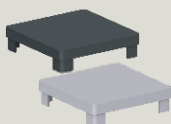


Aluminum installation set

2 x 10.5 x 180 cm
 smoked black **EA1557**
 warm silver **EA1558**



Post Accessories



PE post cap 7 x 7 x 0.8 cm
EA0240 smoked black
EA0241 warm silver



Aluminum post
 side cover 0.3 x 2 x 200 cm
EA0148 smoked black
EA0149 warm silver

Acrylic panel aluminum 25 x 180 cm

smoked black transparent **EA1841**
 warm silver transparent **EA1843**
 smoked black frosted **EA1840**
 warm silver frosted **EA1842**



Acrylic panels

Anchors



Anchor tube
 "ground installation"
 2.5 x 2.5 x 145 cm
EA0311 powder
 coated black



Galvanized steel
 post holder 7 x 7 x 60 cm
EA0310 powder coated black

Decoration bars 2 x 2 x 183 cm

smoked black **EA0599**
 warm silver **EA0602**



Decoration bars

Doors



Aluminum door with hinge,
 lock and stopper 90 x 180 cm
EA1590 smoked black
EA1591 warm silver

UNO



DUO



OO



QUATTRO S



QUATTRO L



LED Lights aluminum smoked black

UNO top pole light **EA1810**
 DUO up-down 2 way light **EA1811**
 OO indirect side light **EA1812**
 Quattro S light **EA1813**
 Quattro L light **EA1814**

loadability post
 20 ft = 1560 pieces

loadability fences
 40 ft = 480 fences

including post
 40 ft = 360 fences + 480 posts

180 x 180 cm = 7 boards
 180 x 135 cm = 5 boards
 180 x 85 cm = 3 boards + installation set

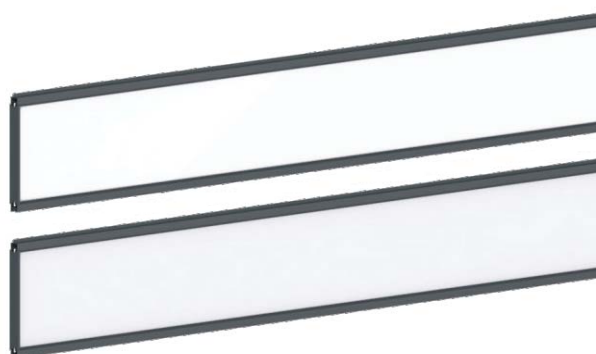


The feeling of wood, the strength of high quality composites, combined with acrylic, louvre panels, and aluminum decoration bars offers sustained beauty with high performance.

ROYAL PARK GARDEN FENCES



Smoked Black
&
Warm Silver



Smoked Black Transparent and
Frosted Acrylic Panel



Warm Silver Transparent and
Frosted Acrylic Panel



Smoked Black & Warm Silver
Aluminum Decoration Bar

Integrated LED lights for different positions and lighting or on the top of the post, specially designed for elements garden fence system.

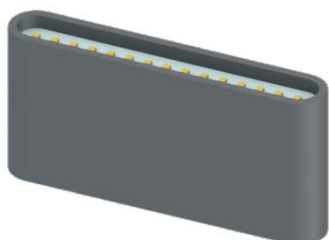


ROYAL PARK GARDEN FENCES



LED QUATRO S

Body Material	Aluminum
Diffuser	PC
Power	7W
Lumen	250lm
Voltage	AC220-240V



LED QUATRO L

Body Material	Aluminum
Diffuser	PC
Power	12W
Lumen	500lm
Voltage	AC220-240V

LED OO

Body Material	Aluminum
Diffuser	PC
Power	4W
Lumen	350lm
Voltage	AC220-240V



indirect side light

LED DUO

Body Material	Aluminum
Diffuser	PC
Power	4W
Lumen	350lm
Voltage	AC220-240V



up/down or sideways

LED UNO

Body Material	Aluminum
Diffuser	PC
Power	4W
Lumen	350lm
Voltage	AC220-240V



post top light

DECKING TILE



DECKING TILE



DECKING TILE FINISHER



Click the decking tiles together simply, then you can enjoy the comfortable flooring system. Popular using in balconies, home offices, garden. The measure of the decking tile is 300x300mm. The package is one square meter, one carton. For the surrounding, we have the decking tile skirting finisher. Perfect simply flooring system.

WALL PANEL

TECHWOODN Cladding is ideal for any commercial or domestic, new build or refurbishment cladding project as a color-stable alternative to real timber planks. Made from a unique combination of recycled wood and plastic, our highly developed and unique composition combines the traditional appearance of wood with the durability of an engineered composite.



Code: TW15-154F1



Code: TW15-154H1



The right exterior wall covering, whether on a new build or renovation project, can have a dramatic impact on a building's appearance and can provide both warmth and attractive.

PLANTER

TECHWOODN has a full range of the planters. Wood plastic composite planters will not rot and decompose like the wooden versions. All models can be used for planting with fresh fruits, vegetables and flowers. Planting tomatoes and other vegetables, it's extremely easy and convenient. The quick assembly, and minimal tools required, gives you everything necessary to build your new garden planter.



Model 1:
Material: WPC boards and
Aluminum components
The External Size: 700x350x875mm
Surface Finish: Sanded
Color: CG09 Granite

Model 2:
Material: WPC boards and
Aluminum components
The External Size: 910x338x580mm
Surface Finish: Sanded
Color: CG09 Granite



Model 3:
Material: WPC boards and
Aluminum components
The External Size:
1000x377x875mm
Surface Finish: Sanded
Color: CG09 Granite

FRAME IT ALL - IN THE GARDEN

frame^{it}all™
simple modular gardens



LIMITED
LIFETIME
WARRANTY

learn more: frameitall.com/warranty

a selection of our raised bed kits



Available in 3 colors:



Classic Sienna



Uptown Brown



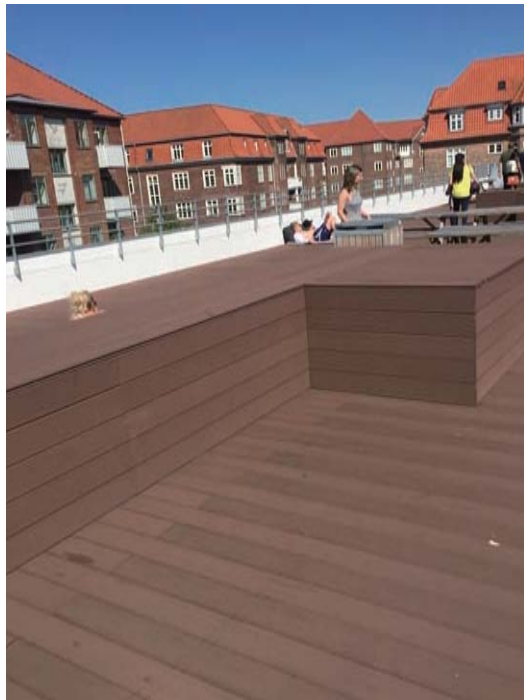
Weathered Wood

Weathered Wood & Uptown Brown now available with TOOL FREE brackets.
Classic Sienna will be available with TOOL FREE brackets late 2019.

OUR PROJECTS







OUTDOOR LIFE



WINDOW DISPLAY



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