

# COMPOSITE DECKING

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# About

ABOUT GOWIN



Founded in 2000, has been a well-recognized brand in global WPC market. With years of R&D focus on WPC production and design, occupies leading position among WPC manufacturers. manufacturing facility covers over 100,000 square feet, equipped with R&D lab, professional teams of technicians and designers, and certified by CE, ISO9001:2015, ISO14001:2015.

WPC is produced with recycled and FSC approved wood flour and waste plastic by an extrusion process. WPC is a versatile material that

combines the traditional appearance of timber with the durability and resilience of an engineered composite, attested by SGS and Intertek.

WPC is the ideal solution for outdoor life building, such as park square decking, homeyard Refreshment Bars, Walkway, Verandas, Promenades, balconies, Bridges, Conservatories, Patios, Pool Side, Railing, Fencing.....

# About WPC

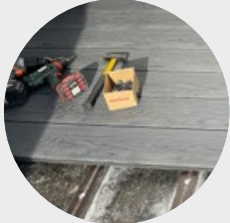
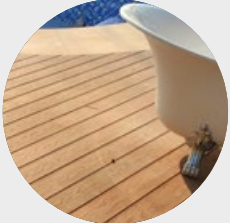
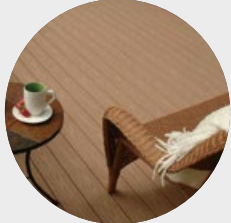
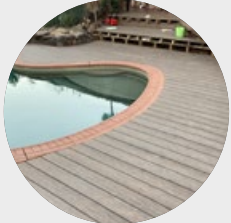


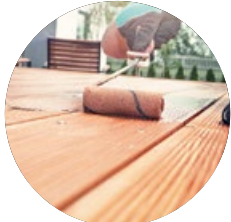




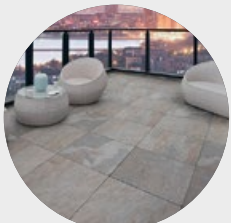
Wood Plastic Composite (WPC) is manufactured from a combination of 85% recycled and FSC certified HDPE, hard wood flour, with some performance-optimized additives (eg. anti-uv, anti-ageing) . With our patented extrusion technology to wrap the wood flour particles with HDPE perfectly, COOWIN® WPC keeps the natural impression of wood and rich colors of plastic.

With years' efforts in R&D in uncapped WPC production techniques, successfully introduced 3D Embossing and streaking coloring into its decking and cladding. WPC embraces outstanding properties like high strength, high stiffness, anti-acid, erosion-proof, non-distortion, formaldehyde excluded, easy to recycle, etc. And it can be

made into various profiles and mimic natural feature of timber. Meanwhile, those disadvantages of timber, like cracking, moth and weakness in durability, are well overcome by COOWIN® composite. Furthermore, the outstanding properties of WPC make it unnecessary to paint or maintain.

More than 60 types of WPC profiles from our company have been launched and introduced into market, and they are widely adopted in decking, railing, pavilion, bridge, tables and chairs, handrail, flower box and pallet etc. Till now WPC has been used in every corner of the world.

WPC CHARACTERISTICS		
CHARACTERISTICS OF PLASTIC	CHARACTERISTICS OF WOOD	AND MORE.....
Weather-proof	Easy to Cut, Fix, and Glue	100% Recyclable
No Crack, No Split, No Warp, No Splinter	Easy to Tenon, Drill, and Nail	No Need to Paint Periodically
High Dimension Stability	Natural Feeling	Requiring Less Maintenance
Insect Resistance	/	Environmentally Friendly
Manufacture Feasibility of Various Profiles	Innocuous	Various Color Options

	DIY	Skin-friendly	Maintenance	Lifespan
WPC	 <p>DIY</p>	 <p>No Slippery, No Splinter, No Formaldehyde</p>	 <p>Low-maintenance</p>	 <p>Long Life Time</p>
WOOD	 <p>Carpentry Works</p>	 <p>Splinter, Crack</p>	 <p>Regular Painting</p>	 <p>1-3 Years</p>
STONE/CERAMIC	 <p>Concrete Works</p>	 <p>Hard, Rough, Slippery, Burning Hot</p>	 <p>Low-maintenance</p>	 <p>Long Life Time</p>

# DECKING

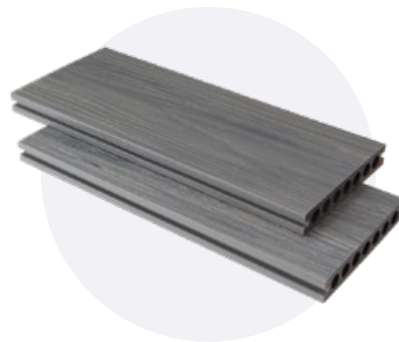
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innovative dura-screw extrusion technology realizes a deeper interface diffusion and mechanical interlock of HDPE and wood flour particles, thereby ensures a higher strength and toughness of the finished product, and guarantees longer life, high screw holding power, and better resistance to moisture, rot, insects.

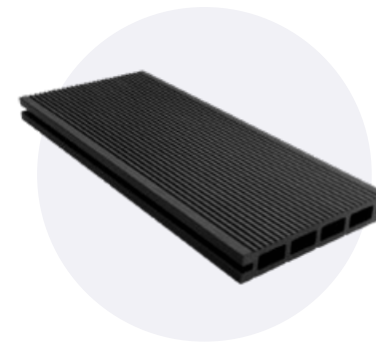
WPC decking can be applied for almost every field of outdoor floor decorations, such as riverside planks, playgrounds, walking streets, living balconies, terraces, platforms, swimming pool surroundings, etc. It can be called a comprehensive building material.



3D Wood Grain Series



Capped Composite Series



Conventional Composite Series

# DECKING







## • 3D Wood Grain Series

COOWIN® 3D wood grain surface with art color is advanced over traditional WPC decking.

COOWIN® 3D wood grain decking, with the features of deeper grain, better durability and wear resistance, perfectly mimics wood grain, and interprets the meaning of Wood Plastic Composite decking as the alternative to solid wood decking.






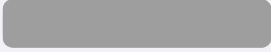


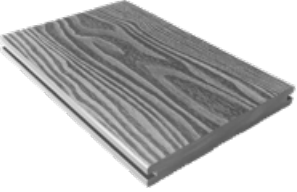









# 3D Wood Grain Series

Series	Decking	Item Size	Sectional View	Structure
3D Wood Grain		TS-03 150*25mm		Hollow Round Profile
3D Wood Grain		TS-04 200*25mm		Hollow Round Profile
3D Wood Grain		CD-01 140*21mm		Solid Profile



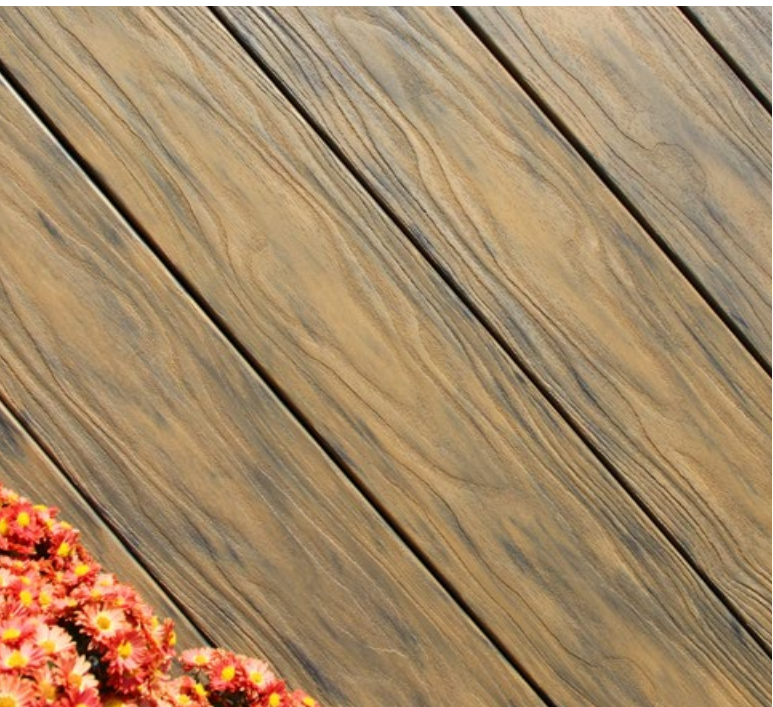
# 3D Wood Grain Series

Decking	Item Size	Sectional View	Decking	Item Size	Sectional View
	CD-03 140*25mm			TH-09B 134*24mm	
	TH-16 134*24mm			TS-05 200*25mm	
	TS-06 200*25mm			TS-07 140*25mm	
	TS-08 140*30mm			TW-K03 150*25mm	

## 3D Wood Grain Series

# Surface

- ◊ Inspired from natural real wood grain
- ◊ With embossing more than 1 mm in depth
- ◊ Up to three styles of wood grain for your choice



Modern



Classical



Fashion

# Color Options

## Art Color Series



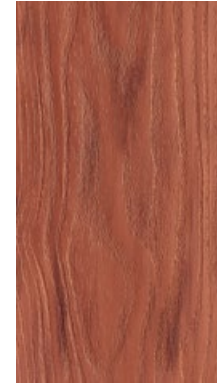
Light Gray Art



Cedar Art



Red Pine Art



Red Wood Art



Red Brown Art

## Standard Color Series



Light Gray



Cedar



Red Pine



Red Wood



Red Brown



Coffee



Blue Gray



# Feature

GALILEO



## 3D Wood Grain Surface Available

- ◊ Inspired from natural real wood grain
- ◊ With embossing more than 1 mm in depth
- ◊ Up to three styles of wood grain for your choice



## Art Color Innovation

- ◊ Up to 12 multi-chromatic color options available
- ◊ Fits in well with a variety of decor styles
- ◊ Resistant to discoloration, retaining its texture well

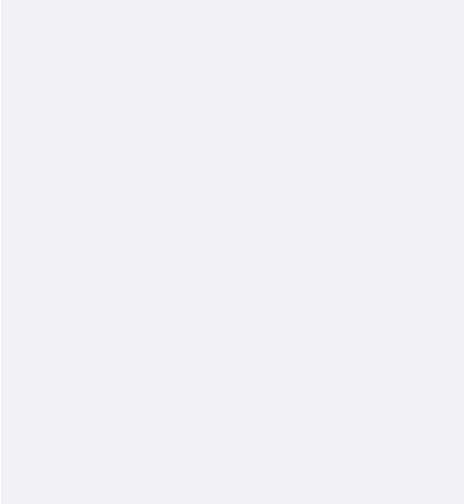


## Easy Installation

- ◊ Quick to install, saving labor cost
- ◊ Compatible with multiple installation conditions
- ◊ Neat and sleek with fasteners concealed

# Case Show

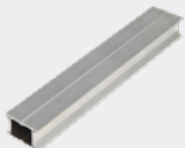
Case Show



# Accessories



WPC Joist



Aluminum Joist



L-corner



Starter Clip



Decking Clip



Ribbed Anchor



Color-Matched Screw



Locking Clip



Fascia

Item : TH-05  
Size : 139\*9mm



Starter Board

Item : ST-01  
Size : 140\*21mm



Starter Board

Item : ST-02  
Size : 140\*25mm

## • Capped Composite Series







COOWIN® capped composite decking incorporates 4-side capping technology, which offers better performance in anti-scratch, and superior resistance to sun, stains, mildew, and bacteria.

COOWIN® capped composite decking, thanks to the exclusive formula of the coating, realizes a just-right compromise among the unwelcome plastic feel of the PVC decking, unwanted color fading nature of traditional composite decking and annoying splinter and cracking of solid wood.

COOWIN® unique coating technology give you extra contact experience with features of anti-static, comfortable softness and low thermal conductivity.



# Capped Composite Series

Series	Decking	Item Size	Sectional View	Structure
Capped		CO-02 140*23mm		Hollow Round Profile
Capped		CO-03 138*23mm		Solid Profile
Capped		CO-10 225*30mm		Hollow Round Profile



# Capped Composite Decking

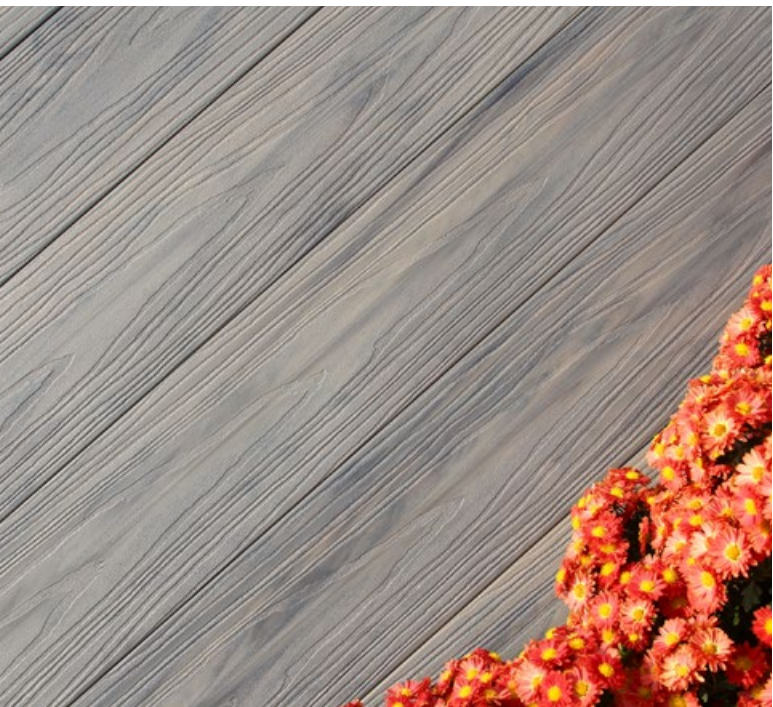
Capped Composite Decking

Decking	Item Size	Sectional View	Decking	Item Size	Sectional View
	CO-04 157*22mm			CO-05 200*24mm	

Capped Composite Series

# Surface

- ◇ Inspired from natural real wood grain
- ◇ With embossing more than 1 mm in depth
- ◇ Up to three styles of wood grain for your choice



Aurora

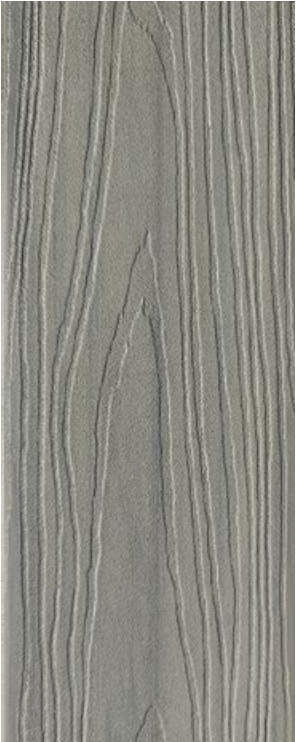
Starshine

Brush

Brush Pro

# Color Options

Color Options



Smoke Gray



Stone Gray



OAK



Dark Teak



Walnut



# Feature

1 2 3 4 5 6



### 3D Wood Grain Surface Available

- ◇ Inspired from natural real wood grain
- ◇ With embossing more than 1 mm in depth
- ◇ Different styles of wood grain for each side



### High-quality Polymer Coating

- ◇ Capped with a coating made of high-grade polymer materials
- ◇ Exceptionally adaptable to various weather conditions
- ◇ Highly sustainable, excellent at retaining its texture and color.



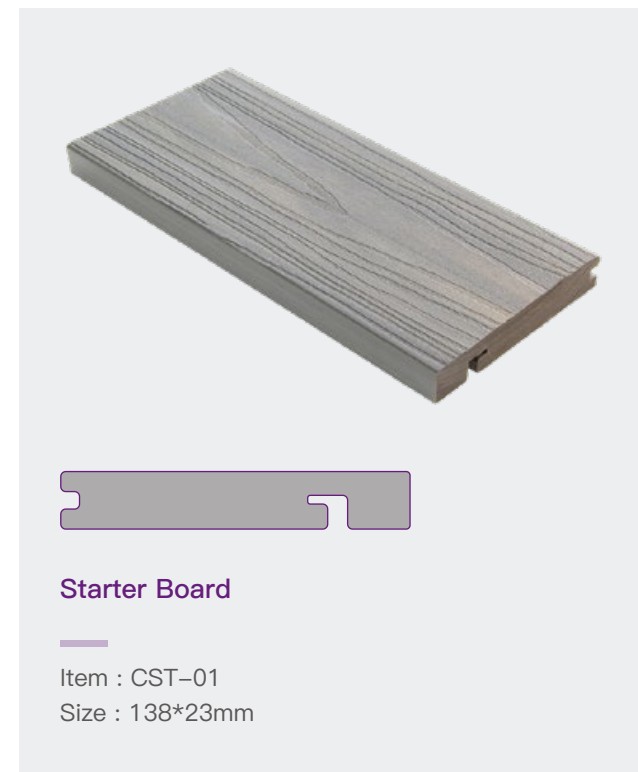
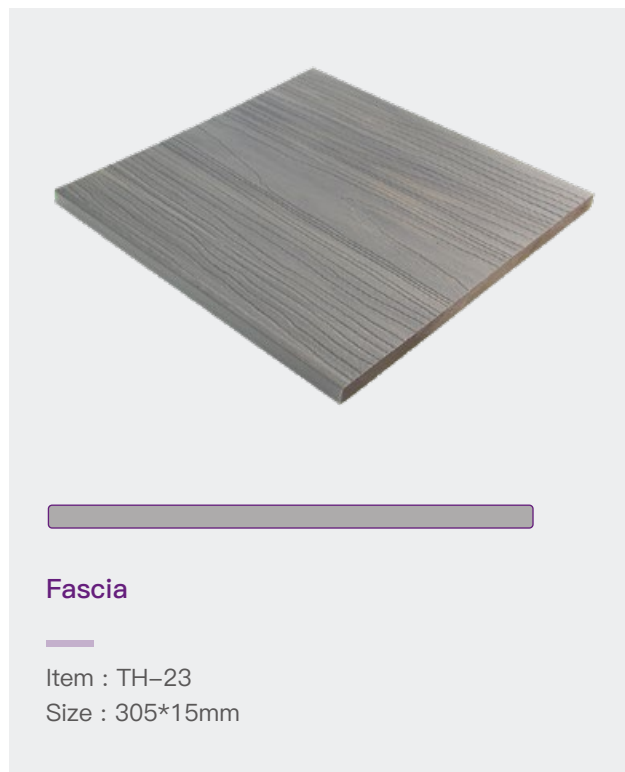
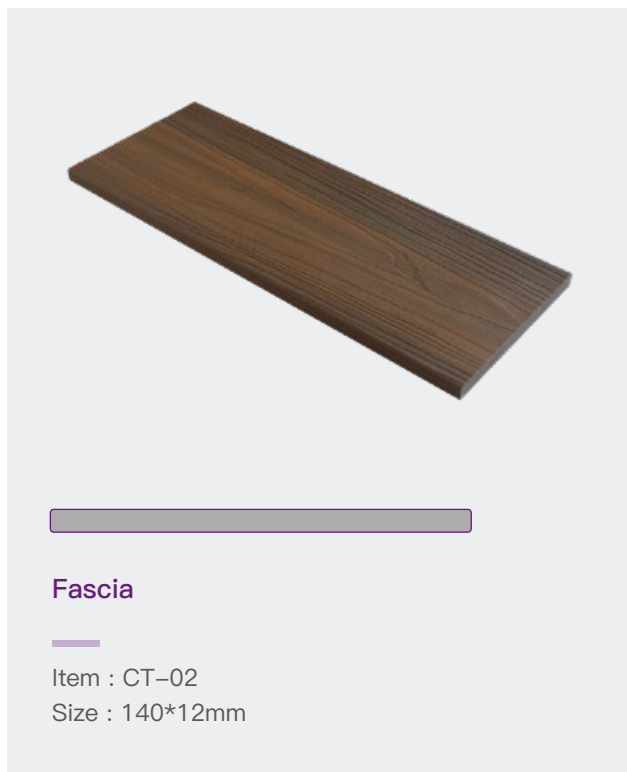
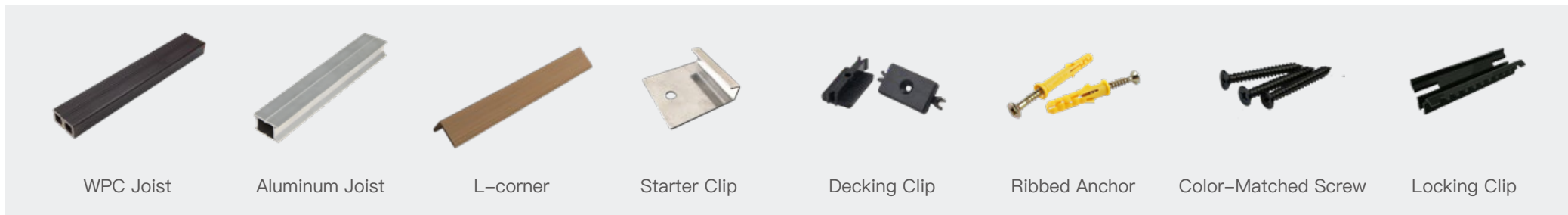
### Easy Installation

- ◇ Quick to install, saving labor cost
- ◇ Compatible with multiple installation conditions
- ◇ Neat and sleek with fasteners concealed

# Case Show



# Accessories



# DECKING

## • Conventional Composite Series

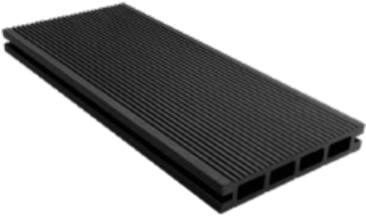











Conventional decking brings you a comfortable barefoot massage experience with most cost effectiveness.

The grooved surface satisfies the strict requirement of anti-slippery, even in harsh snowy or rainy environment.

The enhanced wall thickness and the unique profile with scientific mechanical design make COOWIN® conventional decking a perfect choice for private and public applications.



# Conventional Composite Series

Series	Decking	Item Size	Sectional View	Structure	
Groove		TW-02 150*25mm		Hollow Square Profile	
Decking	Item Size	Sectional View	Decking	Item Size	Sectional View
	CD-02 140*30mm			CO-10B 225*30mm	
	TS-02 140*25mm			TW-02B 150*25mm	
	TW-K02 138*26mm				



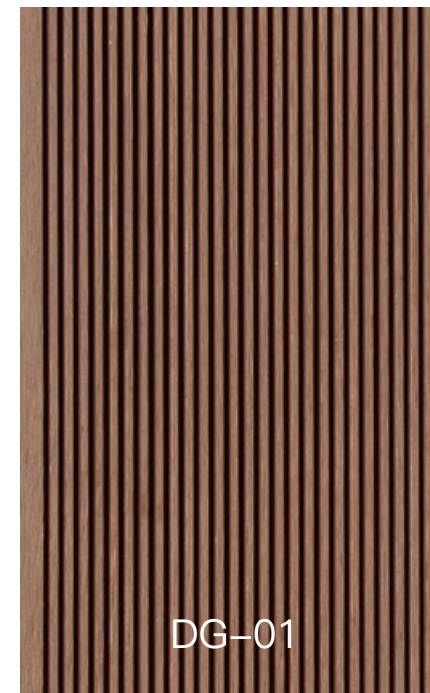
Conventional Composite Series

# Surface

- ◇ Simply styled with neat lines
- ◇ Slip-resistant, promoting rainwater runoff
- ◇ Smoothly edged, barefoot friendly



Sanding



DG-01



DG-02



DG-03

# Color Options

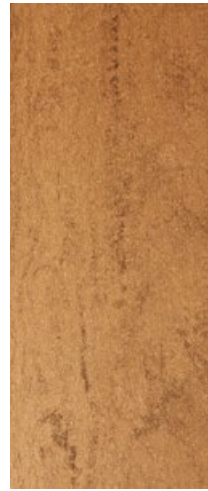
Color Options



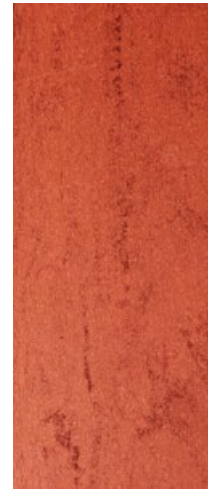
Light Gray Art



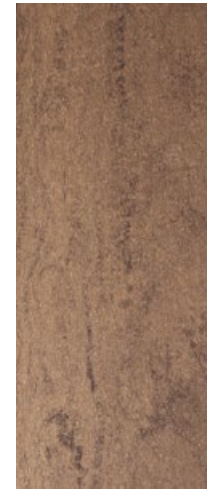
Cedar Art



Red Pine Art



Red Wood Art



Red Brown Art



Light Gray



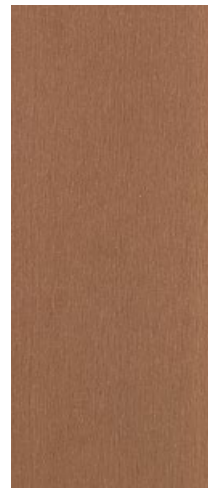
Cedar



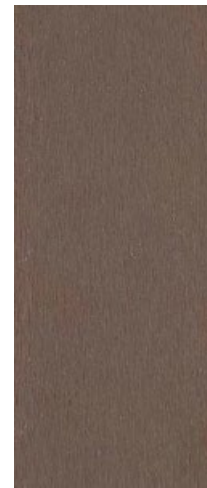
Red Pine



Red Wood



Red Brown



Coffee



Blue Gray



# Feature

EAGLE



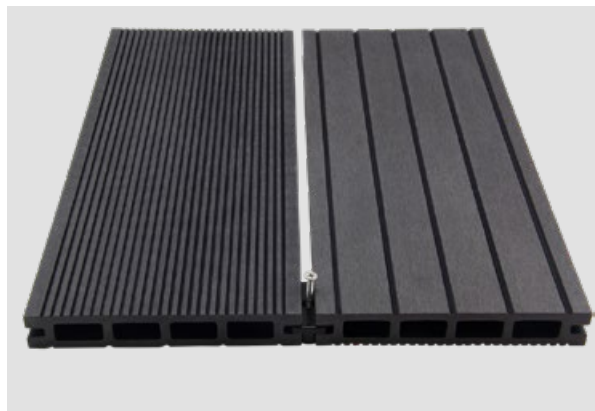
## Grooved Surface

- ◊ Simply styled with neat lines
- ◊ Slip-resistant, promoting rainwater runoff
- ◊ Smoothly edged, barefoot friendly



## Hollow Square Profile

- ◊ Large bearing capacity
- ◊ Cost-saving by 20%
- ◊ Endures well, with super long service life



## Easy Installation

- ◊ Quick to install, saving labor cost
- ◊ Compatible with multiple installation conditions
- ◊ Neat and sleek with fasteners concealed

# Case Show

Case Show



# Installation Instructions



Circular Saw



Tape Measure



Power Drill



Level



Impact Drill



Joist



Plastic Clip



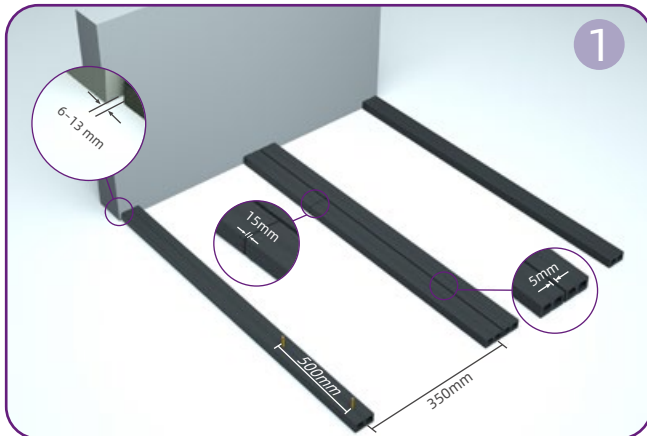
Color-Matched Screw



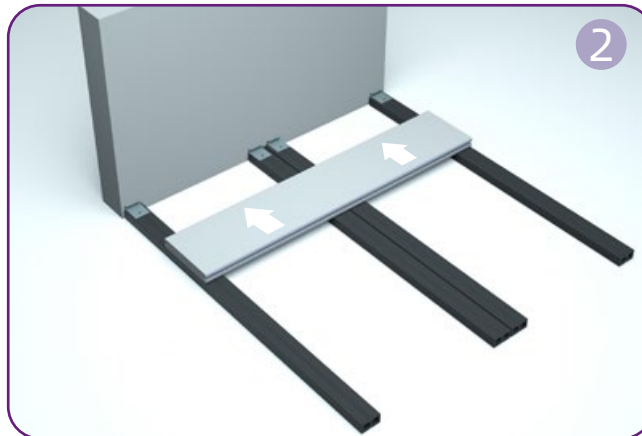
Ribbed Anchor



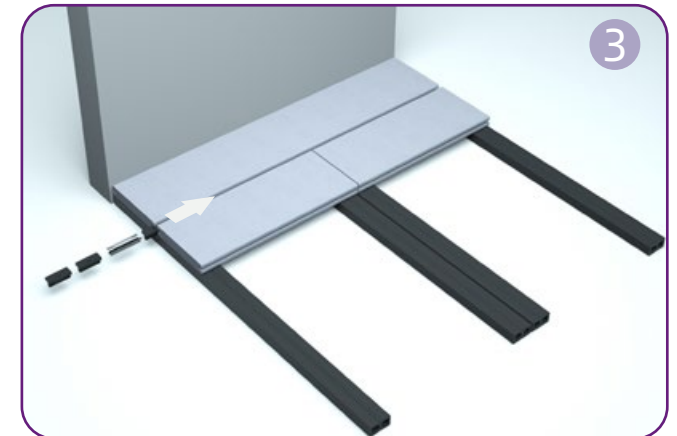
L-corner



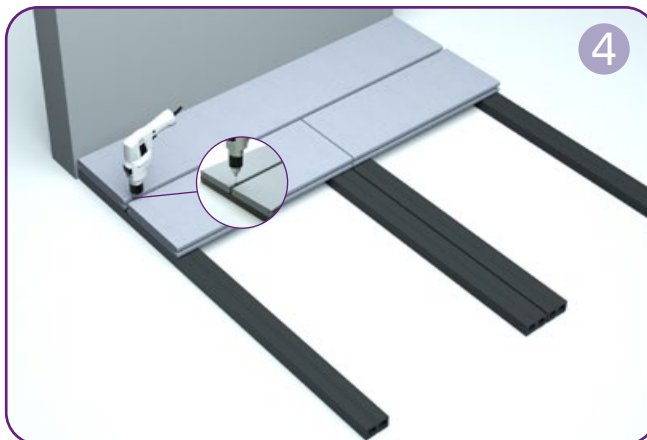
Fix the joists to the ground with expansion screws, the joist spacing should not exceed 350 mm. Double joists are needed at the end-to-end joint between decking boards.



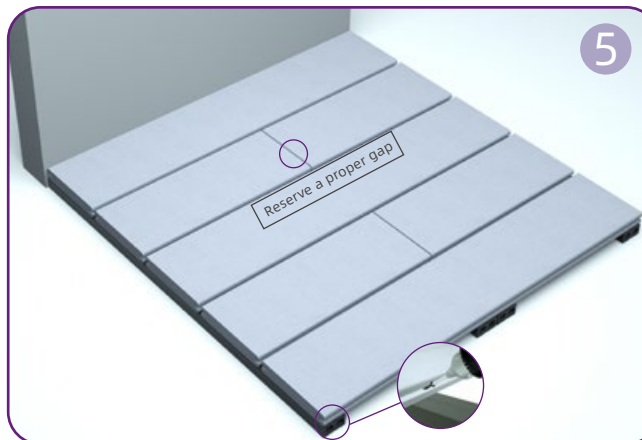
Install the start clip and slide the first decking board into the start clip.



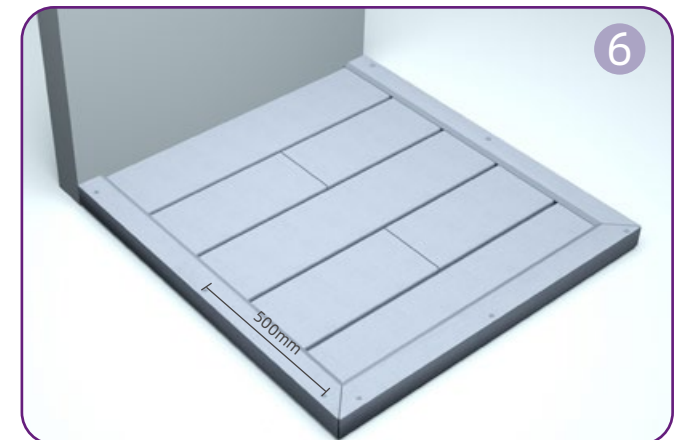
Slide the clip into the groove of the decking until they are on their respective joists.



Secure the clip with screws.



Reserve a proper gap at the butt of the two boards for contraction and expansion. Along the edge, toenail screw to secure the decking boards.



Trim the L corner at a suitable angle and fix with screw. The spacing of the screws should be no more than 500mm.