



2
Generation
Premium

COCO PLUS

Outperforms, Extremely Durable, Anti mildew, Easy Clean.....

OUTDOOR Surface Expert



intertek





COCO DECK

OUTDOOR
Surface Expert

Better Life Starts From Here...





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TEST REPORTS

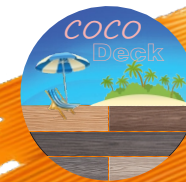
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Floor Melody
YOUR ONE STOP FLOOR EXPERT

About WPC



COCO DECK

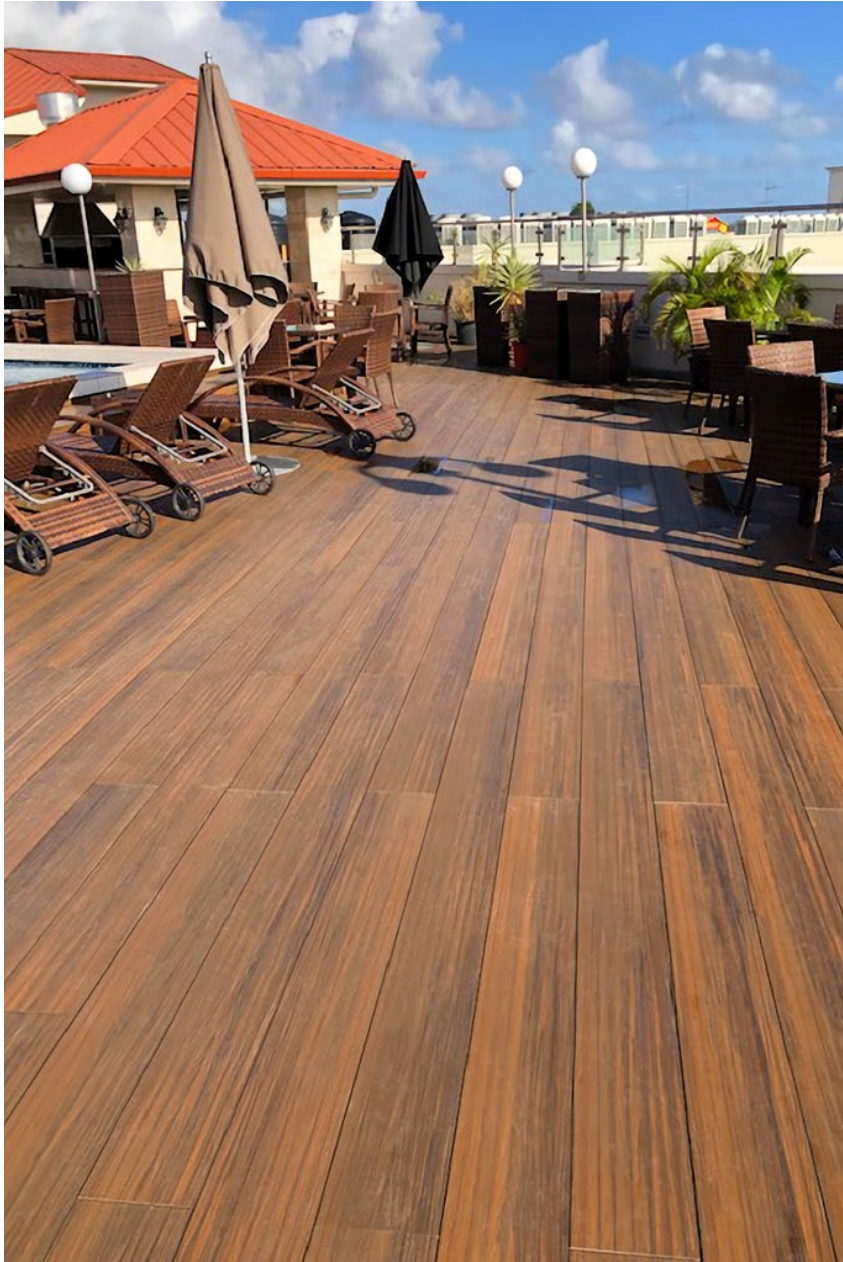
COCO PLUS Wood Plastic Composite (WPC) is manufactured from a combination of 85% recycled and FSC certified HDPE, hard wood flour, with some performance-optimized additives (eg. anti-uv, anti-ageing) . With our patented extrusion technology to wrap the wood flour particles with HDPE perfectly, COCO PLUS WPC keeps the natural impression of wood and rich colors of plastic. With years' efforts in R&D in uncapped WPC production techniques, COCO PLUS successfully introduced 3D Embossing and streaking coloring into its decking and

cladding. COCO PLUS 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 COCO PLUS composite. Furthermore, the outstanding properties of WPC make it unnecessary to paint or maintain.

COCO PLUS 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





Physical and Chemical Properties

Item(s)	Test Result(s)	Test Method(s)																																			
Density	1.35g/cm ³	ASTM D792-00																																			
Moisture Content	0.2%	ASTM D7031-11 Section 5.15 ASTM D4442-16 Method B																																			
Screw with Drawal Test	3353 ^N	ASTM D7032-17 Section 5.5 ASTM D1761-12																																			
Impact Resistance	>133J	ASTM D4495-16																																			
Specific Gravity	1.31	ASTM D7031-11 Section 5.14 ASTM D792-13 Method A																																			
Shore Hardness	D/70/1	ASTM D2240-15																																			
Mouldproof Level	0 ^[1]	ASTM G 21-15																																			
Formaldehyde Emission	0.02ppm ^[2]	ASTM D6007 -14																																			
Soluble Heavy Metal	ND ^[3]	ASTM F963- 16(Clause 8.3)																																			
Abrasion Resistance	Mass loss:30.0mg Wear index:30	ASTM D4060-14																																			
Resistance to Indentation	Brinell hardness:79 MPa Rate of elastic recovery:54%	EN 15534-1:2014 Section 7.5 EN 15534-4:2014 Section 4.5.7 EN 1534:2010																																			
Fire-Proof Level	B _n	EN ISO 9239-1:2010																																			
		EN ISO 11925-2:2010+AC:2011																																			
Resistance to Artificial Weathering	<table border="1"> <thead> <tr> <th colspan="7">Test Report:</th> </tr> <tr> <th>Exposure time</th> <th>DL*</th> <th>DL*</th> <th>DL*</th> <th>DL*</th> <th>Grey scale</th> <th>Observation</th> </tr> </thead> <tbody> <tr> <td>720 hours</td> <td>0.34</td> <td>0.51</td> <td>0.18</td> <td>0.36</td> <td>5</td> <td>Part showed no color change</td> </tr> <tr> <td>1440 hours</td> <td>0.28</td> <td>0.34</td> <td>0.30</td> <td>0.50</td> <td>4-5</td> <td>Part showed slight color change</td> </tr> <tr> <td>2880 hours</td> <td>0.07</td> <td>0.18</td> <td>0.43</td> <td>0.60</td> <td>4-5</td> <td>Part showed slight color change</td> </tr> </tbody> </table>	Test Report:							Exposure time	DL*	DL*	DL*	DL*	Grey scale	Observation	720 hours	0.34	0.51	0.18	0.36	5	Part showed no color change	1440 hours	0.28	0.34	0.30	0.50	4-5	Part showed slight color change	2880 hours	0.07	0.18	0.43	0.60	4-5	Part showed slight color change	ISO 4892-2:2013 cycle 1
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[1] Mold rating standard: 0 — No mildew or discoloration on the surface

[2] 1 ppm = 1 mg/kg = 0.0001%

[3] ND = Not detected (< Method detection limit)





Low Thermal Conductivity



Split-proof



Long Lifespan



Skin-friendly



Slip-resistant



Neat & Sleek



Low-maintenance



Easy to install



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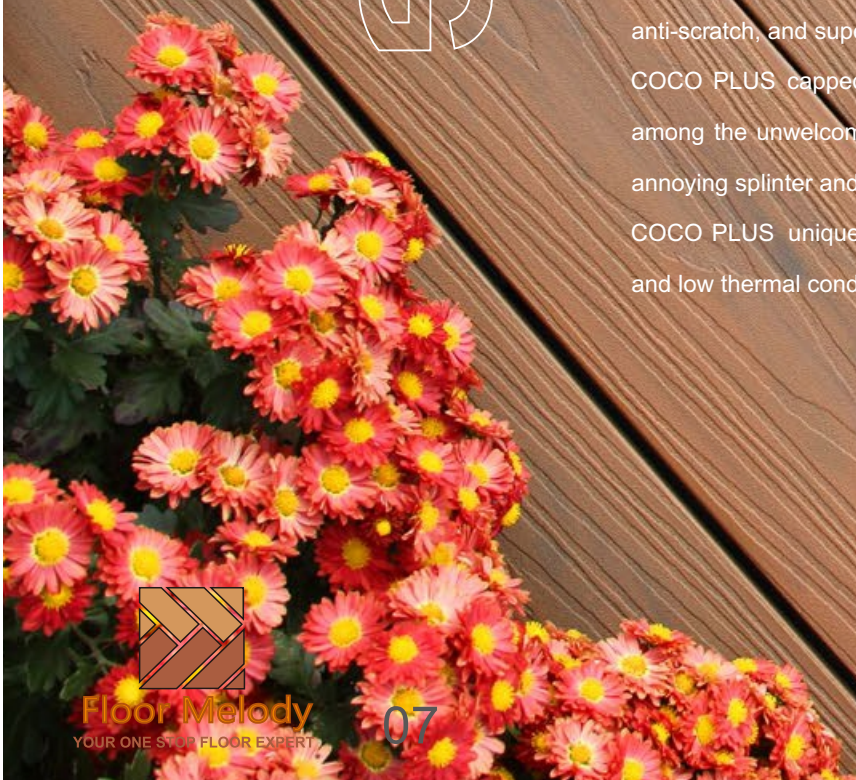


Capped Composite Decking

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

COCO PLUS 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.

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





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COCO takes the design where 3D Wood Grain Surface is applied on both sides. It's capped with a coating of high-grade polymer materials that enables it to have an excellent capability of resisting moisture, fading, and weathering, it's designed for places with heavy traffic that require high sustainability, such as plank roads, squares, walking streets, etc.

Item	COCO
Sectional View	
Size	138*23mm
Surface	Capped & 3D Wood Grain
Ingredients	50% Wood Fiber, 38% HDPE, 12% Additives
Certificates	FSC, CE, CNAS, ISO 9001:2019
Colors	



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Feature



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





COCO DECK

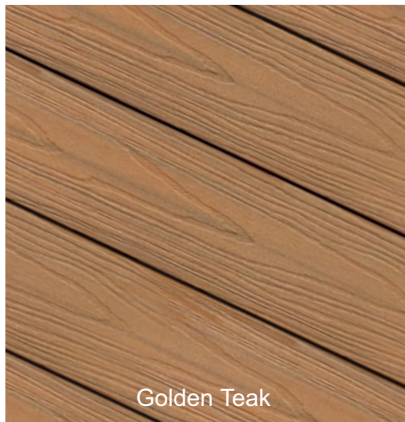
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Surface

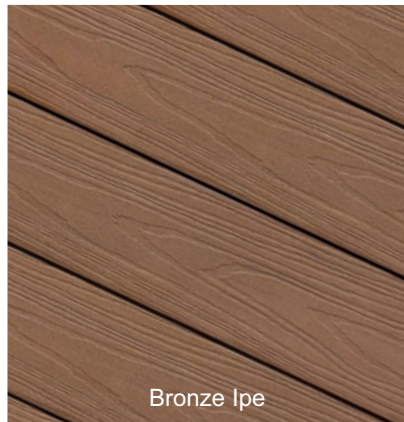
- ◇ Inspired from natural real wood grain
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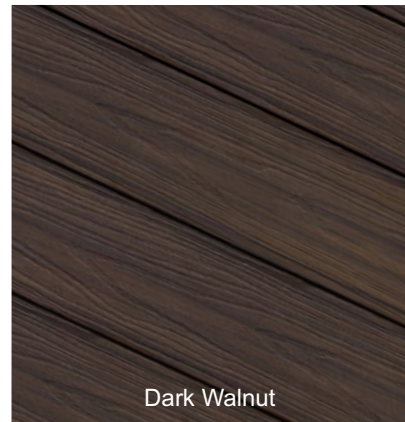
Silver Grey



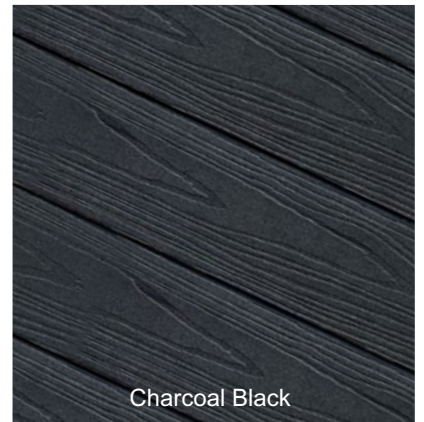
Golden Teak



Bronze Ipe



Dark Walnut

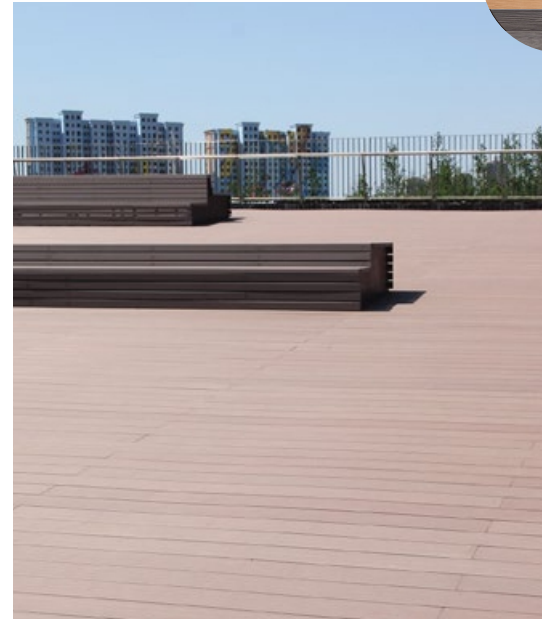


Charcoal Black





Wyndham Resort Project in Thailand



Qingdao China International Horticultural Exposition Park



Marinas Golf in Argentina



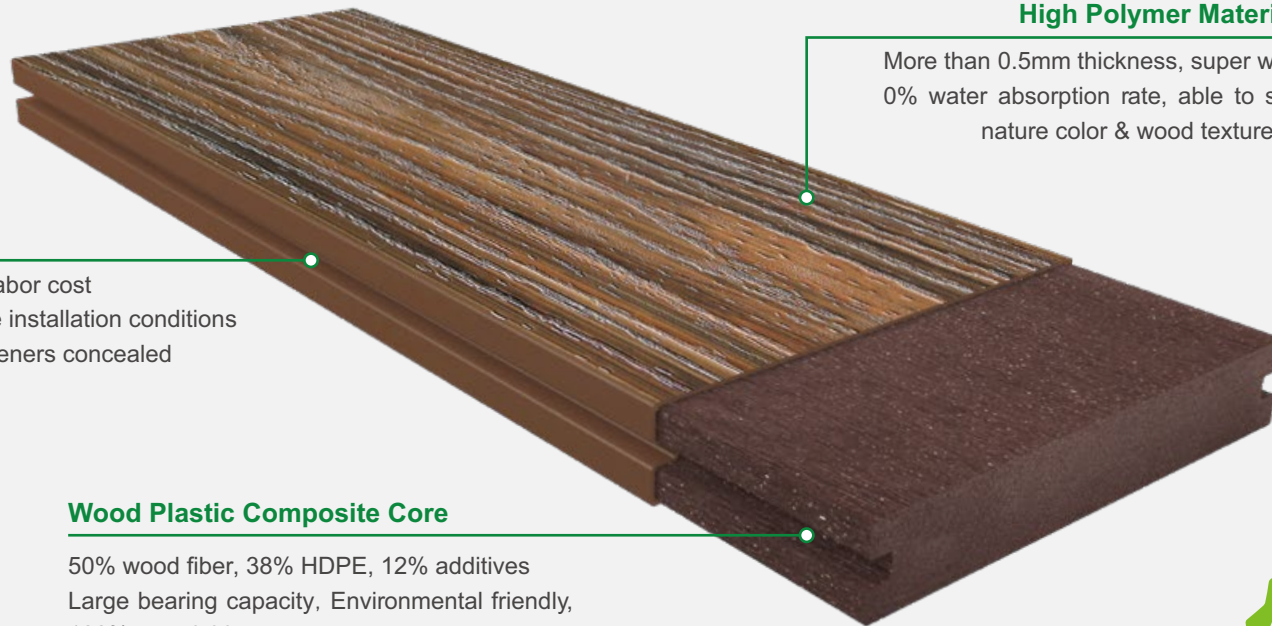
Al Maha, a Luxury Collection Desert Resort & Spa, Dubai



Co-extrusion Structure Description



COCO DECK



High Polymer Material Coating

More than 0.5mm thickness, super wear-resistant
0% water absorption rate, able to self-cleaning
nature color & wood texture, never fade.

Easy Installation

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

Wood Plastic Composite Core

50% wood fiber, 38% HDPE, 12% additives
Large bearing capacity, Environmental friendly,
100% recyclable



As to the warranty terms of Prodeck Plus Decking:

The Warranty Term ("Warranty Period") for the Prodeck Plus Capped & Solid Decking Series shall be twenty five (25) years for residential use from the date of original purchase, and ten(10) years for commercial use from the date of original purchase.





COCO DECK

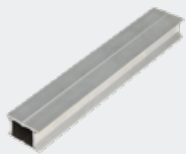
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Accessories



Edge banding board
used for decking

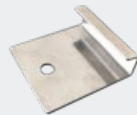
Item : COCO-P
Size : 140*12mm



Aluminum Joist



L-corner



Start Clip



Steel Clip



Plastic Clip



Expansion Screw



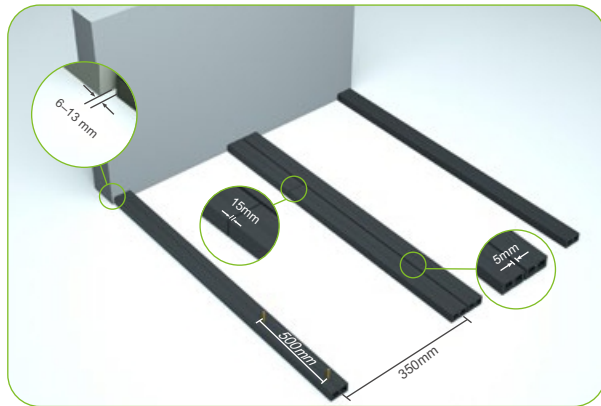
Screw



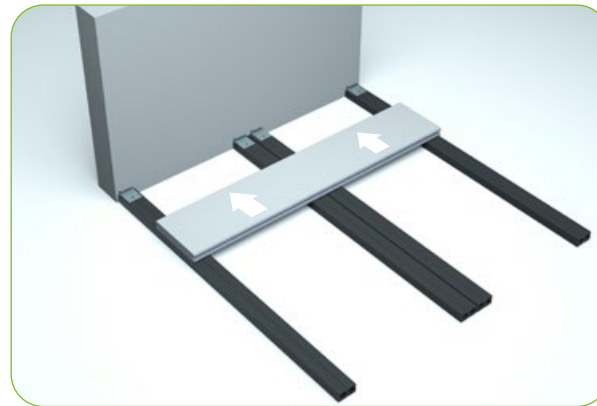
Installation



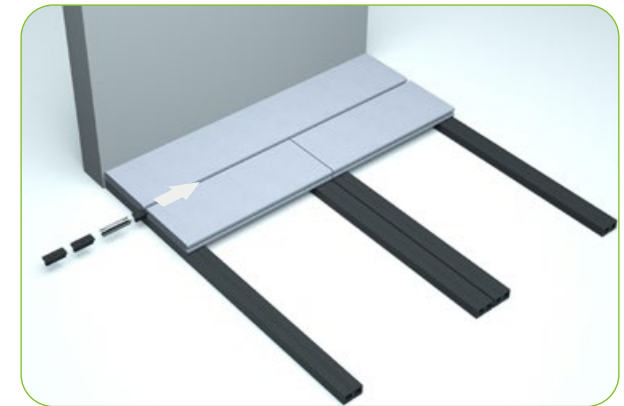
COCO DECK



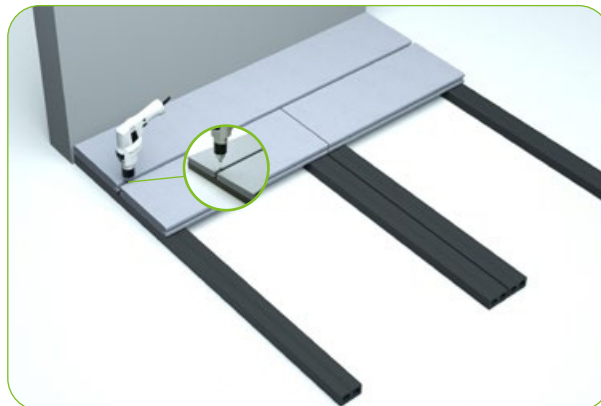
- 1 Fix the joists to the ground with expansion screws, the joist spacing should not exceed 350 mm. Double joists are needed at the end-to-end joint between decking boards.



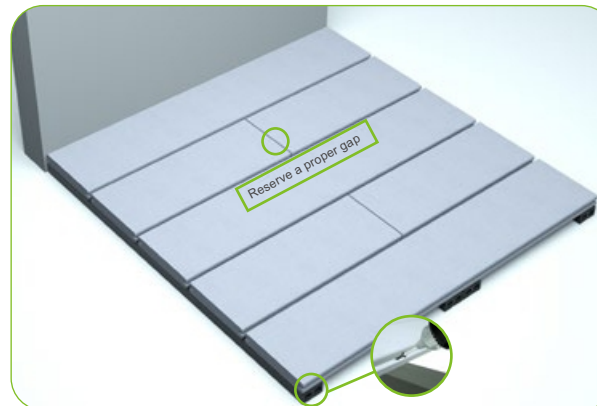
- 2 Install the start clip and slide the first decking board into the start clip.



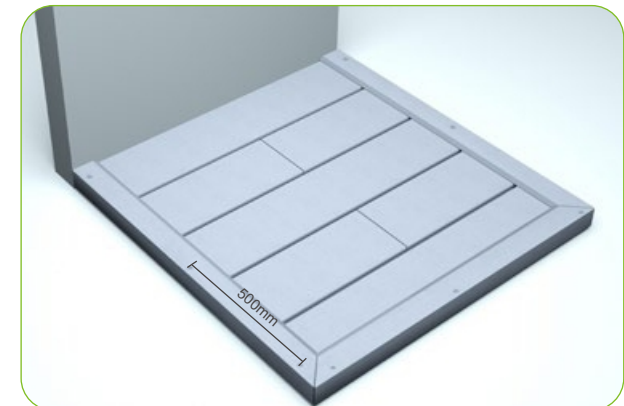
- 3 Slide the clip into the groove of the decking until they are on their respective joists.



- 4 Secure the clip with screws.



- 5 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.



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





- Ensure adequate ventilation under and between decking boards.
- Improve drainage or grade soil to eliminate standing water under decks.
- Direct downspouts, downspout extensions and splash guards away from decks.
- Position dryer vents away from decks. Maintain a deck that is dry and clean.
- Clean your deck twice a year after the last of the major pollen events.
- Use extreme caution with pressure washers and use at pressures less than 1,500 psi at 12" above deck surface.
- Keep debris out of gaps between the decking boards so rain showers can remove pollen and organic debris between cleanings.
- Minimize the use of wet mulch up against the deck structure.
- Place a vinyl-backed splatter guard mat underneath your grill.
- While normal day to day activities will not scratch your COCO decking, like timber or any other surface,

excessive activities will damage the surface. Skate boarding, dragging heavy furniture, dancing in stiletto heels are some of the activities which may cause the capping to scratch, abrade or chip.

- We recommend fixing pads under your outdoor chairs to stop the constant dragging wearing away the capping over time. Unlike timber decking, composite decking cannot be sanded back.
 - Never use a METAL shovel to remove ice or snow from a COCO deck.
 - Use mild detergents for cleaning – avoid strong products like bleach, CLR, sugar soap, etc.
 - If building or renovations are taking place, cover the deck to avoid concrete or gyprock dust getting on the deck. Mineral deposits left over from construction can mix with water and evaporate leaving deposits behind which creates a white haze on the deck's surface.
- We recommend leaving the laying of your new deck until after all other works have been completed.
- Oil / Grease / Food and well known staining items like red wine must be removed from the surface within a reasonable amount of time to maintain the 15 - Year

Limited Stain Warranty.



Common maintenance issues and solutions



COCO DECK

Problem	Solution
Dirt and Debris	Surface debris should be sprayed off with a hose. Use warm soapy water and a soft non-metal scrub brush to remove dirt and debris within the embossing pattern. Scrubbing in the direction of the grain is best.
Tannins	Tannins can form when organic material gets stuck within the gaps of the deck and water starts to pool under it. Therefore, it is best to remove the debris within gaps with a garden hose, spatula, or soft broom. Keeping the gaps clean will reduce the chances of tannins from forming leaving your deck cleaner.
Ice and Snow	Use calcium chloride or rock salt to melt the snow and ice. Buildup of calcium chloride and rock salt may occur leaving a white residue, which can be easily removed with warm soapy water and a soft non-metal scrub brush.
Oil / Grease / Food	All oil / grease / food spills must be removed promptly. To clean use warm soapy water and a soft non-metal scrub brush. Grease and oil may require an all purpose cleaner if warm soapy water and a soft non-metal scrub brush do not work. Be sure to check with manufacturers on which cleaners are appropriate to use on your deck.
Mould and Mildew	Mould and mildew occurs periodically in everyday environments. Therefore, surface mould and mildew can appear on the deck if decaying organic material such as, but are not limited to, wood, leaf decay, and pollen are present along with elevated temperatures, air, and water. There is no way to completely eliminate mould and mildew, therefore, we can only minimize the occurrence by removing these decaying organic materials as quickly as possible. If mould and mildew are present use warm soapy water and a soft non-metal scrub brush to clean.
Irregular Heat Sources / Fire	Composite decking has the tendency to retain heat whenever presented directly or indirectly to it. Irregular heat sources, such as, but not limited to, fire pits, fire places, and barbecue grills, and fire may damage the surface of COCO WPC decking. Proper caution should be taken with irregular heat sources and fire to ensure no damage occurs to the deck.
Masonry/Concrete Construction Works	During masonry construction or any building and renovations involving concrete and gyprock, the deck must be covered at all times, preferably with a sheet of tarp or construction grade plastic film. Concrete contains substances (i.e. lime) that will damage your deck. To prevent these problems, ensure that masonry/cement construction is set properly before ever installing the decking material. If mineral deposits are left on the deck's surface, regular maintenance is required in order to maintain the original look of the deck.

