



Composite Timber Products
www.artificialwood.com.my
Prevent Trees From Being Cut Down

Redefine convention. Innovating green solutions.

A brief history

Wood has a natural beauty and elegance that cannot be duplicated – until recently. Traditionally, commercial logging is the only way to produce wood products to keep up with increasing global demand.

Consumption of tropical timber by industrial countries plays a significant role in global deforestation. The world's natural forests cannot sustainably meet the soaring global demand for timber products under current forest management practices.

Deforestation is a threat to our planet through its impact on loss habitat for millions of species as well as contributing to climate change.

RT wood: *More* than just wood

Years and years of our continued research has led to the creation of this unique composite product we call **Artificial Wood(RT WOOD)**. Made up of recycled polymers and rice husks, every piece of **RT Wood** is extruded using our advanced processing technology for superior outdoor and indoor durability.

Not only **RT WOOD** looks and feels like natural timber, it outperforms them by being more resistant to biodegradation and resilient to pest and water-damage.

RT WOOD can be molded, sanded and customized to meet your commercial needs. Working with them requires nothing more than your traditional woodworking tools – it's that simple.

We're committed to offering environmentally sustainable products. Every **RT WOOD** undergoes rigorous testing, selection and trials before making it to the production floor. Because of this, every piece of **RT WOOD** is more than just an aesthetically appealing piece, but a testament of the values we exist.

Redefines the future of wood.



Turns out, A little bit of RT WOOD makes a big difference.

There are a lot you can get from RT WOOD beautifying your house is only one.

In the broader picture, products like RT WOOD serves as the sustainable alternative to natural timber. You get all the wooden feature without needing to cut any trees down.

The primary components of RT WOOD - recycled polymers and rice husks, are brought together and repurposed into the beautiful, long-lasting decorating pieces you find at home.

Did you know...

That the recycled polymers and rice husks could potentially end up with a fate that is less constructive for the planet?

They may end up in landfill, or incinerated, releasing harmful contents to the atmosphere.

This process, which enables **carbon capture**, provides a long-term storage for the carbon dioxides, helps the planet to deter the process of global warming.

Now, a little effort goes a long way, isn't it?

Introducing RT WOOD

Since foundation, we've always about being innovative without compromise. Through the introduction of our flagship premium series, we hope to create a difference to the composite industry, a change that is satisfying – materially and aesthetically.

The premium series is everything you need - they're made to last.



Did you know...

That by sanding the surface of **RT WOOD**, you'll reveal a new underlayer that provides your board a refreshed and renewed look?

That's because the layer is homogeneous, which means, unlike paint, the colors from **RT WOOD** are found **throughout** the layer.

- 1 10-year Manufacturer's Warranty**
Against termite attacks, water-damage and all manufacturing defects.
- 2 Double Layer Technology (Capped)**
Products have a protective layer that maximizes its outdoor performance.
- 3 Greener Choice**
Comprise of more than 50% recycled material and is 100% recyclable at its end of life.
- 4 Hidden Clip System**
Products are grooved at the side to enable the use of fastener clips. Brings consistent gapping and no more exposed screw heads.
- 5 Random Color Tone and Wood Grain**
Proprietary technology to give product the natural look and feel. Every plank gets a varied tone and grain that is never repetitive.
- 6 Homogeneous Layer**
The vibrant colors comes from within - they are neither painted nor printed. This ensures long-lasting durability.



Where form meets function. The practical luxury.

Rose wood (Color code: 801)

The rose wood is a richly hued surface with hints of dark purple and black veins, offering a rugged and seasoned look as floor or wall coverings. An award-winning color that is well received by many and ideal

Features

- Premium quality polymer and rice husks
- Co-extrusion technology (Capped)
- Random color tone and wood grain
- Homogeneous layer

Available surface(s)



* Embossed and Grooved are only available on deck boards, solid or hollow-core. Not available for cladding profiles, etc.

Profiles available	Product Code
	12525H Double layered hollow-core deck board suitable for outdoor or indoor use.
	14025H Double layered hollow-core deck board suitable for outdoor or indoor use.
	12813 Double layered panel that can be used indoor or outdoor as ceiling or wall cladding.
	17313 Double layered panel that can be used indoor or outdoor as ceiling or wall cladding.
	9020 Double layered hollow-core rectangular profile that can be used as louvre fins, fence boards, or as finishing fascia.
	9010 Double layered solid rectangular profile that can be used as louvre fins, fence boards, or as finishing fascia.
	L55 Double layered L-shaped angle bar for finishing purpose.
	508 Double layered solid rectangular profile that can be used as louvre fins, fence boards, or as finishing fascia.









Where minimalism means business

Dark brown (Color code: 802)

The dark brown needs no explanation. It is a statement on its own. Natural looking and practical, the dark brown is meant for those who seeks simplicity, in its most natural form.

Features

- Premium quality polymer and rice husks
- Co-extrusion technology (Capped)
- Random color tone and wood grain
- Homogeneous layer

Available surface(s)



* Embossed and Grooved are only available on deck boards, solid or hollow-core. Not available for cladding profiles, etc.

Profiles available	Product Code
	12525H Double layered hollow-core deck board suitable for outdoor or indoor use.
	14025H Double layered hollow-core deck board suitable for outdoor or indoor use.
	12813 Double layered panel that can be used indoor or outdoor as ceiling or wall cladding.
	17313 Double layered panel that can be used indoor or outdoor as ceiling or wall cladding.
	9020 Double layered hollow-core rectangular profile that can be used as louvre fins, fence boards, or as finishing fascia.
	9010 Double layered solid rectangular profile that can be used as louvre fins, fence boards, or as finishing fascia.
	L55 Double layered L-shaped angle bar for finishing purpose.
	508 Double layered solid rectangular profile that can be used as louvre fins, fence boards, or as finishing fascia.





Contemporary aesthetics at its best

Drift wood (Color code: 803)

The drift wood mimics wood that aged well with time, offering a gray touch to your wall or floor coverings. At first glance, the drift wood may appear heavily washed and seasoned, but it was never a dull choice – it is perfect for those with a taste for contemporary aesthetics.

Features

- Premium quality polymer and rice husks
- Co-extrusion technology (Capped)
- Random color tone and wood grain
- Homogeneous layer

Available surface(s)



* Embossed and Grooved are only available on deck boards, solid or hollow-core. Not available for cladding profiles, etc.

Profiles available	Product Code
	12525H Double layered hollow-core deck board suitable for outdoor or indoor use.
	14025H Double layered hollow-core deck board suitable for outdoor or indoor use.
	12813 Double layered panel that can be used indoor or outdoor as ceiling or wall cladding.
	17313 Double layered panel that can be used indoor or outdoor as ceiling or wall cladding.
	9020 Double layered hollow-core rectangular profile that can be used as louvre fins, fence boards, or as finishing fascia.
	9010 Double layered solid rectangular profile that can be used as louvre fins, fence boards, or as finishing fascia.
	L55 Double layered L-shaped angle bar for finishing purpose.
	508 Double layered solid rectangular profile that can be used as louvre fins, fence boards, or as finishing fascia.



When looking majestic means everything

Burmese teak (Color code: 804)

The Burmese teak's well known for its robust, uniform golden brown color without markings that offers a clean, magnificent look.

Features

- Premium quality polymer and rice husks
- Co-extrusion technology (Capped)
- Random color tone and wood grain
- Homogeneous layer

Available surface(s)



* Embossed and Grooved are only available on deck boards, solid or hollow-core. Not available for cladding profiles, etc.

Profiles available	Product Code
	12525H Double layered hollow-core deck board suitable for outdoor or indoor use.
	14025H Double layered hollow-core deck board suitable for outdoor or indoor use.
	12813 Double layered panel that can be used indoor or outdoor as ceiling or wall cladding.
	17313 Double layered panel that can be used indoor or outdoor as ceiling or wall cladding.
	9020 Double layered hollow-core rectangular profile that can be used as louvre fins, fence boards, or as finishing fascia.
	9010 Double layered solid rectangular profile that can be used as louvre fins, fence boards, or as finishing fascia.
	L55 Double layered L-shaped angle bar for finishing purpose.
	508 Double layered solid rectangular profile that can be used as louvre fins, fence boards, or as finishing fascia.





More than a statement Outstanding competition

Red cedar (Color code: 805)

The red cedar's eye catching red and delicate grain patterns made sure your wall or floor coverings are never to be missed by even the sharpest eyes in town. It is energetic, refreshing and bold – a class of its own.

Features

- Premium quality polymer and rice husks
- Co-extrusion technology (Capped)
- Random color tone and wood grain
- Homogeneous layer

Available surface(s)



* Embossed and Grooved are only available on deck boards, solid or hollow-core. Not available for cladding profiles, etc.

Profiles available	Product Code
	12525H Double layered hollow-core deck board suitable for outdoor or indoor use.
	14025H Double layered hollow-core deck board suitable for outdoor or indoor use.
	12813 Double layered panel that can be used indoor or outdoor as ceiling or wall cladding.
	17313 Double layered panel that can be used indoor or outdoor as ceiling or wall cladding.
	9020 Double layered hollow-core rectangular profile that can be used as louvre fins, fence boards, or as finishing fascia.
	9010 Double layered solid rectangular profile that can be used as louvre fins, fence boards, or as finishing fascia.
	L55 Double layered L-shaped angle bar for finishing purpose.
	508 Double layered solid rectangular profile that can be used as louvre fins, fence boards, or as finishing fascia.







Okoume Colour

Golden Teak Colour

Nutmeg Colour

Golden Pine Colour

RT Wood Timber Ceiling Series

Random Wood Grain Technology

8mm (thk) x 121mm (w) x 3050mm (L)



RT Wood Hollow Plank
(Insert Aluminum)

RT 50x100mm. Black

RT 50x100mm. Yellow



RT WOOD Co-ex Series

RT210 TeakWood
50X100mm.

RT202 Red Cedar
50X100mm.

RT15621-B
Teak Wood

RT144S13-A
Red Wood-No Gap

RT13823-B
Teak Color



Fixing and Fitting Accessories



HDPE or PVC Composite Batten (Model: HDPE / PVC 2540)

Measuring at 25.00 mm (H) X 40.00 mm (W) the HDPE (or PVC) battens are a cost effective alternative for the under deck structure. To be installed a 250.00 mm center to center span.



Stainless Steel Screws (Model: SS304 #08-30 or #08-65)

Stainless steel screws are used extensively for long lasting performance. They come in two sizes: #08-30 mm for Nylon Fastener Clips and the #08-65 (#10-63 mm) for tightening HDPE2540 battens to the concrete slab. SS304 #08-30 comes pre-finished with brown colour coated screw head to minimize glare under the sun.



Metal Start/End Clips

These Stainless Steel 304 Metal start/end clips provide reliable fixture to the first and last planks where the use of nylon fastener clips are limited by space.



Nylon Fastener Clip (Model: T9)

These clips are an integral part of a typical deck system. The use of T clips enhances the overall aesthetics of your deck system by eliminating exposed screwheads on the deck surface.

Parameter	Hollow-core Deck Board 12525	Solid-core Deck Board 14025	External Wall Cladding 17313	External Wall Cladding 12813	Rectangular Profile 9020, 2010, 5008
Width	125.00 mm	140.00 mm	173.00 mm	128.00 mm	90.00 mm or 50.00 mm
Thickness	25.00 mm		13.00 mm		10.00 mm or 20.00 mm or 8.00 mm
Length	2,800.00 mm (export), 3,050.00 mm (Malaysia only)				
Weight	Approx. 7.84 kg / pc	Approx. 15.25 kg / pc	Approx. 4.00 kg / pc	Approx. 3.02 kg / pc	Approx. 3.38 kg / pc
Packing	100 pcs / pallet	100 pcs / pallet	12 pcs / carton X 20 cartons / pallet		6 pcs / bundle
Color degradations test (NF ISO4892-2) Gap of color test NF ISO 105-J03	#4				
Horizontal Burning Test	HB				
Vertical Burning Test	V0				
Coefficient of Friction Test (Anti-slip) - Kinetic Friction - Static Friction - Strip resistance (Hardness) Lengthwise EN15184 - Strip resistance (Hardness) Crosswise EN15184 - Abrasion test EN660-2	0.73 1.07 4H 5H 41.47 mg				
Water absorption (24-hour submersion)	0.28% w/v				
Flexural modulus	40.90 MPa				
Coefficient of linear thermal expansion	59.27 um/m °C				
Composition 1 Composition 2 Composition 3	Polyvinylchloride 45.00% Rice husks 45.00% Additives 10.00%				



Product Warranty

Artificial Wood PLT individually and doing business as "RT", "RT WOOD" or "Artificial Wood" warrants to the original purchaser ("purchaser", "you" or "your") that for the Warranty Period set forth below the following RT WOOD products ("products") shall remain free from manufacturing defects, and under normal and proper service conditions will not splinter, delaminate, rot or suffer from fungal decay, when installed, used and maintain in an above-ground application and in accordance to our written instructions.

The term of this Limited Warranty ("warranty period") for RT WOOD products listed below shall be 10 (ten) years from the date of original purchase by or for a commercial / residential application for a commercial / residential purchaser as long as they own the property upon which the material was installed.

RT WOOD Premium Series Products

In the event of a failure or other non-conformity of RT WOOD product or RT WOOD fastener when installed, used and maintained as described, we will replace the non-conforming item as set forth below.

This document is the only warranty (whether written or oral, expressed or implied) we provide to your RT WOOD products, it is subject to all terms and conditions stated herein and no one (including but not limited to a RT WOOD dealer, installer, reseller, agent or employee) is authorized to modify, expand or add to this limited warranty. We make no other representation, guarantee or warranty. No one is authorized to make representation, guarantee or warranty on RT WOOD's behalf, and we shall not be bound by or liable for, any representation, guarantee, warranty, or conditions with regards to any RT WOOD products other than as expressly stated in this limited warranty.

THIS LIMITED WARRANTY COMPRISES OF RT WOOD'S SOLE AND ENTIRE WARRANTY AND OBLIGATION IN CONNECTION WITH RT WOOD BRANDED PRODUCTS. ALL OTHER WARRANTIES, WHETHER EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, NOT EFFECTIVELY DISCLAIMED WILL EXPIRE WITH THE TERM OF THIS LIMITED WARRANTY. REVOWOOD EXCLUDES ALL INCIDENTAL, CONSEQUENTIAL DAMAGES. IN NO EVENT, REGARDLESS OF THE BASIS OF ANY CLAIM OR LIABILITY, SHALL WE BE LIABLE FOR ANY DAMAGES OF ANY NATURE OR DESCRIPTION OR WHATSOEVER, EXCEEDING AND ANY LIABILITY SHALL BE LIMITED TO THE ACTUAL PURCHASE PRICE OF THE DEFECTIVE PRODUCT, AS ADJUSTED ON THE BASIS OF THE PRO-RATED WARRANTY SCHEDULE PROVIDED HEREIN.

Warranty Claim Procedure

To make a warranty claim, the purchaser must send a copy of this warranty document, copy of original proof of purchase, and photos of the issue to the address below. Such proof of purchase must be from an authorized RT WOOD product dealer and must show (1) the date of purchase and (2) that sufficient RT WOOD products had been purchase to cover the number of lineal feet claimed to be damaged. All warranty claims must be received by RT WOOD within the Warranty Period and in no event later than thirty (30) days after any discovery of a possible non-conforming nature of or other failure of the products.

Artificial Wood PLT (LLP0023284-LGN)

No19, Lorong Tanjung Aman 10, Taman Tanjung Aman 12300 Butterworth Pulau Pinang, Malaysia

Tel : +60 12 - 452 8388

Email : andy@artificialwood.com.my

Upon discovering a possible defect of RT WOOD, purchaser must make temporary repairs or hoard off the area at its expense to protect all property and persons that could be affected. If required, the purchaser must allow RT WOOD personnel to enter the area where the product is installed to inspect the defective product.

We must have made a determination on the warranty claim before any permanent repairs or removal of materials may take place. No product shall be returned to us unless directed or authorized by us to do so. Any removal or disposal of defective products shall be at the purchaser's expense.

General conditions, exclusions and limitations.

Purchaser's sole remedy

Purchaser's sole remedy, and RT WOOD's sole liability, for any claim whatsoever relating to the RT WOOD product, including without limitation, any claims arising out of the marketing, purchase, installation, use, not equal to the volume of defective material, storage, possession or maintenance of RT WOOD products (whether such claim arises in contract, warranty, gross negligence, negligence, strict liability or otherwise) or any claims that RT WOOD product failed to perform as warranted above, is and shall be the replacement of RT WOOD product with RT WOOD product in equal amount.

Replacement of RT WOOD product will be as close in color, design and quality to the original installation as reasonably possible, in RT WOOD's discretion and determination, but RT WOOD does not guarantee an exact match as colors and designs may change.

Reducing warranty scheme

Beyond the 5th year, RT WOOD product will only cover certain percentage of the replacement cost as stipulated in the schedule below. For example, if it takes RM 12,000.00 to repair a deck system that deteriorated at the 9th year mark, RT WOOD will only cover 20% of the RM 12,000.00 repair cost, which will be RM 2,400.00. The remainder of the costs are to be made at the expense of the purchaser.

Replacement cost coverage	Year of claim
100%	0 – 5 th years
80%	6 th year before 7 th
60%	7 th year before 8 th
40%	8 th year before 9 th
20%	9 th year before 10 th
10%	10 th year before expires



Drift Wood

Burmese teak Wood

Rose Wood



Artificial Wood PLT (LLP0023284-LGN)

ADDRESS

No 19, Lorong Tanjung Aman 10,
Taman Tanjung Aman 12300
Butterworth, Pulau Pinang,
Malaysia

www.artificialwood.com.my

Tel: +6012 4528388

