

ego

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Enrich

Decking & Cladding





Introduction

Enrich - Composite deck tiles is loved and accepted by more and more people, becoming a great patio/garden decking decoration . Composite Deck tile is a pressed and extruded composite wood eco-friendly product, its top board is made of wood fibers and recycled plastic, and its base is designed with interlocking clips.

You might be wondering why that is since wood has been so popular for so long. Here are just a few reasons:

1. They aren't the cheapest solution around, but they are easy to install, easy to keep clean and they don't rot.
2. Plus you can put them down right over concrete or dirt (if it's level). And the whole project takes only a matter of hours by yourself !
3. Besides, you can easily remove when you want to lay it in other place.
4. The plastic shields the wood from the moisture and insect damage, so there's no rotting or splintering.
5. The wood protects the plastic from UV damage and gives you a natural feel.

It is known as a leading green environmental protection material in 21st century.

Ego Enrich deck tiles can be installed over any hard surface with ease, it is a good choice for your garden. Ego supplies high quality WPC board and use strong deck tiles base to make a durable WPC composite tiles for our clients.

PHYSICAL PROPERTIES

High strength and rigidity, skid proof, abrasion resistance, inflammation resistance, resists moisture, insects and UV, insulation, heat insulation, resists from -40c low temperature to 75c high temperature.

ENVIRONMENTAL PROPERTIES

Contains no toxic and dangerous chemicals, no preservatives, no formaldehyde, no benzene, will no pollute air or environment; can be 100% recycled and reused, also can be biodegradable.

APPEARANCE AND FEEL

Looks and feel like nature wood. Size is more stable than nature wood, no knurr. It is available in various color options. There is no need to spend hours staining or painting.

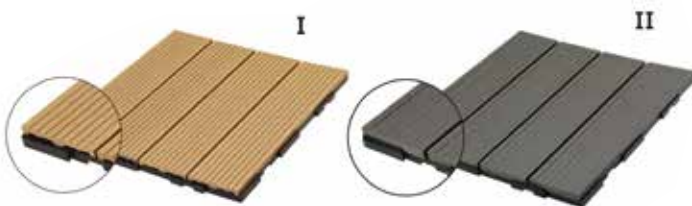
PROCESSING PROPERTIES

Can be treated like wood, such saw, plane, glue, nail or screw.

It is very easy to install.

SIZES: L - 300mm, W - 300mm, T – 23.5mm

Warranty 10 years Residential and 5 years Commercial



Flexible locking system allow you to lock tile from any side, and create your distinctive pattern.

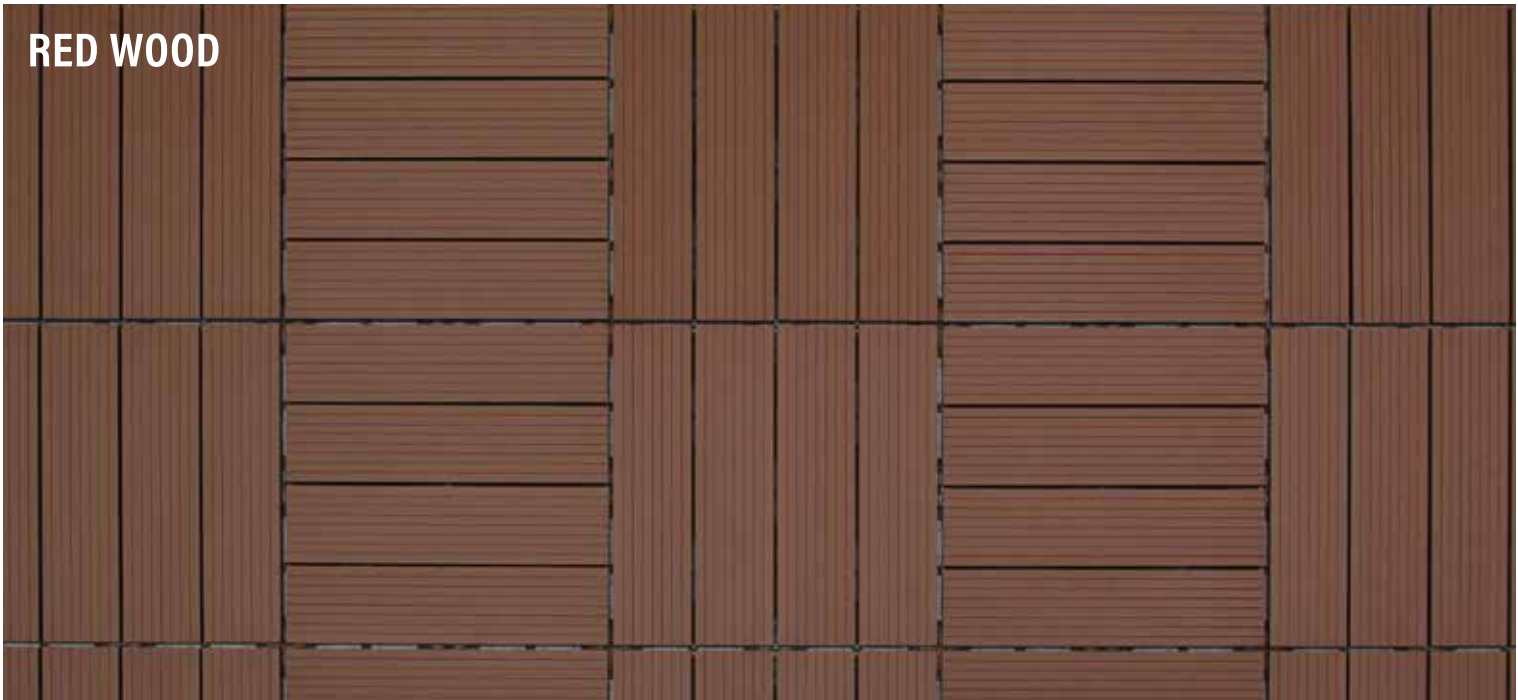
DARK GREY



DARK BROWN



RED WOOD



TECHNICAL DATASHEET

NO	TESTING ITEMS	REPORT NO.	TEST STANDARD RESULT		REMARK
01	Coefficient of friction	AU10124005-1	EN 13893		0.25
02	Falling mass impact	AU10124005-1	CEN/LS 15534 -1		Energy Level: 15 J Code:(23,15)
03	Flexural properties	AU10124005-1	EN310		Flexural strength: 22.3N/mm2 Modulus of elasticity: 3021 N/mm2
04	Creep factor	AU10124005-1	ENV 1156		kc,300h,SCI, 25%: 0.92 (300 hours creep factor)
05	Xenon artificial weathering	AU10124005-1	EN ISO 4892-2 Method A		After 1000 hours exposure Gray scale 2-3
06	Swelling and water absorpt	AU10124005-1	EN317		Gt (Swelling in thickness): ○.5% Water absorption: 2.9 %
07	Moisture resistance	AU 10124005-1	EN321		Gt (Swelling in thickness): 0.3 % Flexural strength: 19.7 N/mm2, decrease 11.7% Modulus of elasticity: 2672 N/mm2. decrease 11.6%
08	Heat reversion	AU10124005-1	EN479		R (Heat Reversion): 0.11%
09	Shore hardness	SP100502753	ASTM D2240-05	A/72/1,	808
10	Apparent Density	SP100502753	ASTM D1622-08	790kg/m3	808
11	Coefficient of linear therms	SP100502753	ASTM D696-08	1.06 x 10 ⁻⁴ (l/°C)	808
12	Impact resistance	SP100502753	ASTM D4495-00(2005)	Mean failure energy: 35J	808
13	Tensile strength	SP100502753	ASTM D4761-05	19.2 MPa	808
14	Fkexural strength	SP100502753	ASTM D6109-05 Method A	25.80 MPa	808
15	Rohs	SHATY1007659701	IEC 62321:2008	Pass	808
16	Fire Testing	160926042GZU-002	EN 13501-1: 2007+A1: 2009		Classification: Bfl-sI CHF: 9.2 W/m2 >8,○ kw/m2 Fs: 34mm <150mm within 20s Smoking measurement integrated smoke value: 114% x min <750% x min
17	Moulds Resistance	(2016) DM16-179	ASTM G 21-13	Grade of Moulds resistance: ○	迪美

INSTALLATION PROCESS - COMPOSITE DECK TILES

How to upgrade your patio, balcony or outdoor space with composite tiles in a snap! DIY friendly, these squares connect without the need for tools or substructure, just lay and enjoy! There is few steps to install WPC tiles :

1. BEFORE START INSTALLATION

Before you start, make sure you're working on a hard surface that's clean. And flat with no more than 2% grade. Measure that area to ensure the last row of tiles will be at least 3 inches wide and check to make sure all gates and doors will have enough clearance over your tiles.

After that, you can snap them together in just a few minutes with no tools required. However, if you do need to make a custom cut to fit an irregular space, it's best to have a circular saw a chop saw or a jig saw, tape measure, pencil and safety equipment like gloves, a dust mask eye protection and earplugs.



COMPOSITE DECK TILES IN CROSS HATCH PATTERN

2. START LAYING THE DECK TILES

Start laying the composite tiles in rows and make sure they fully snap together on all four sides. If you're creating a pattern, it is a good idea to take a step back from time to time and check your progress. Most people would like a cross hatch pattern, but you could also have them all pointing in the same line if you prefer that look. It is all good for installation.



3. KEEP LAY TILES UNTIL THE PIECES TO THE END OF THE ROW.

Interlock and snap all the deck tiles together for a secure fit, until you clip the pieces to the end of the row. If you need to cut part tiles to finish the row, leave them off for now.

And remember to hold on to any extra tiles you didn't use just in case you ever need a replacement.



4. CUT THE TILES TO LAY THE EDGE OF AREA

There may be some irregular edge of your installation area, so you can cut the tiles in a shape you need to fit the edge. When cutting, remember the tiles cannot be less than three inches wide. Besides, ensure that your edge connections are compatible with your cut piece.

For curved or shaped cuts, it's a good idea to cut a piece of cardboard to use as a guide.

You can use a handsaw as a tile needs to be trimmed, but a motorized/cordless circular saw, chop or jigsaw with a carbide tipped blade works best.

Later just snap these onto the tiles to complete the installation.



AFTER THAT, ALL THAT'S LEFT TO DO IS SIT BACK ON YOUR FAVORITE DECK CHAIR AND RELAX!

5. SOME TIPS DURING INSTALLATION & USING & MAINTENANCE

- 1) If you have to remove a tile, simply grip it near the locking mechanism and lift up while holding down the surrounding tiles.
- 2) If for any reason, one of the panels detaches from the black base, do not try to force it back together as this can damage the prongs of base. Instead carefully insert a flat headed screwdriver into the locking mechanism on the underside of the detached panels and bend the prong gently in ward on both sides while simultaneously applying pressure until it snaps back into space.
- 3) For other care and maintenance, it's a good idea in general to try and keep your tiles free of debris and not drag heavy objects across them.

Ego Enrich Deck tiles are great as flooring for any of outdoor deck, patio, garden, terrace, balcony, and they're even light enough to use on balconies.

Besides, those aren't the only places you can use them. Composite deck tiles can be installed indoors as well.

MAINTENANCE OF DECK TILE

A little maintenance and cleaning can easily refresh your composite decking and maintain the aesthetic and utility of your deck. You can even prepare some soap, vinegar, and water to make your homemade decking cleaner. Here are some easy steps to clean and restore your composite decking.

Step 1: Remove all the stuff on the deck to ensure a smooth cleaning process.

Step 2: Sweep the dirt and debris and ensure no leaves on the floor before spraying water.

Step 3: Spray the deck with warm water and remove as much surface mold as possible with your hose.

Step 4: Gently scrub with soapy water using a soft bristle brush. For mold removal, it is recommended to use vinegar mixed with water to pour directly on the mold.

Step 5: After scrubbing and cleaning the deck with a brush, you should rinse the composite decking thoroughly. This step is significant and is the last step that cannot skip. Rinsing the WPC decking thoroughly can prevent a thin coating on the composite surface.

◆ SELECT AND USE THE RIGHT CLEANER

Selecting the right cleaning product can, to a certain degree, reduce your maintenance cost and save your effort in cleaning. The surface of the composite decking appears solid. Still, it is rather porous, necessitating the use of oxygenated cleaner capable of reaching deep into the inside material and cleaning the surface of the WPC composite decking. While purchasing a cleaner, carefully read the instructions. Do not purchase the deck cleaning product with the chemical “Chlorine Bleach,” which will penetrate your WPC outdoor decking and cause corrosion. Consequently, it will discolor the composite decking, ruining the surface and worsening mildew/mold issues. Therefore, selecting and choosing a chlorine bleach-free, sodium percarbonate-based cleaning product, or using homemade cleaner is important to avoid the risky mistake.

◆ GAPS CLEANING IS ALSO IMPORTANT

If you want to keep mold from forming beneath the WPC outdoor decking, you should pay attention to the decking surface's regular cleaning and, most importantly, the gaps cleaning. Dirt and debris can accumulate over time, and the moisture collecting in the air can create an ideal growing environment for mildew and mold. To prevent mildew and mold from destroying the decking and extend the service life of the WPC decking, it is recommended to clean up the spaces between the deck boards regularly, keep the deck dry and allow air circulation between the decks.

◆ ADOPT GENTLER WASHING APPROACH FOR YOUR DECK

Generally speaking, a gentler cleaning way is ideal for composite decking since pressure washing may cause damage when not operating correctly. If you must use a pressure washer, it is recommended to use a household pressure washer with the lowest pressure and keep no closer than 25cm away from the decking. Since WPC composite decking is not as hard as real wood, it may be “scratched” easier than wood, causing mold stain in the opening, which will be incredibly difficult to remove and clean. Therefore, a garden hose should be good enough for regular cleaning in most circumstances.





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COMPOSITE TILE DECK WARRANTY

This Limited Warranty is only transferred by the first purchaser of the product from EGO one (1) time during the first five(5) years from the original purchase date and the last purchaser of the products prior their installation. This warranty is for the Purchaser of residential application or commercial application, who purchase products from EGO.

EGO warrants that products will not split, rot, or suffer structural damage from insect or fungal decay when the products is installed and maintained in accordance with EGO's literature of installation and maintenance.

“ Term ” means period of Ten (10) years (Residential) & Five (5) years (Commercial) from date of the original purchase, residential or commercial.

Installation: If a breach of the Warranty occurs, the only obligation of EGO is to supply replacement products; emend the affected products, or pay the cost of the replacement or emendation of the affected products, EGO shall have no further liability of obligation as stated herein. There's no circumstances that will EGO be liable for any incidental, special, indirect, or consequential damages resulting from any defect in the Products supplied, including but not limited to damage to property. Some countries do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you.

Obtaining Warranty Coverage: If Purchaser discovers a defect Products during the Term, Purchaser must inform EGO in writing on email within thirty (30) days from the discovery of the alleged defect but no later than the end of the Term, Once discovering any possible defect in the Products, the Owner must immediately make temporary repairs at the Owner's expense to protect all property from affecting, This warranty gives you specific legal rights and you may also have other rights which vary from country to country.

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Purchaser must supply the notification proof of purchase and a statement explaining the defect and the installation date. EGO may request additional information. After reviewing all information, EGO will make a determination regarding the validity of such claim. If EGO determines that Purchaser's claim is valid, EGO will either replace the defective Products or refund the portion of the purchase price paid by Purchaser for such defective Products (not including the cost of its initial installation).

If a Residential Purchaser arise a valid warranty claim under during years one (1) through ten (10) after the first purchase, then the Residential Purchaser ' s refund will be prorated as indicated. If it's compensated through replacement materials, list below, EGO will prorated boards to meeting the requirements of the claim; Simultaneously, EGO will refund the percentage of purchase price of board if you list it below.

Exclusions from Warranty Coverage:

Without limiting any other terms of this warranty, this warranty does not cover and EGO will not be liable for any no implied warranty as below:

- (1) Improper or ignores EGO's installation guidelines, including but not limited to improper gapping.
- (2) Have Products overburden, or use the product in applications not recommended by EGO and local building codes.
- (3) Poor design or detailing, settlement or structural movement to which the product is installed.
- (4) Any act of God including but not limited to earthquakes, cyclones, floods or other severe weather conditions or unusual climatic conditions, normal wear and tear, growth of mould.
- (5) Variations or changes in color of Products.
- (6) Improper handling, storage, abuse or neglect of Products by Purchaser, the transfer or third parties.



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