

DECKING

- MORE THAN JUST A FLOOR -

tips and thoughts to help you planning your outdoor dream







iDecking Revolution is the worldwide prized company born to innovate in the field of Decking Systems and Materials. iDecking patented systems EasyClick and EasyChange are bringing a real revolution in the market.

Would you believe to be able to install decking boards with just your feet? Remove and Replace each one anywhere in the deck with the simple turn of a key?
That the most innovative composite material comes from a by product:
Rice Husk (skin of the rice)!

**ZERO SCREWS TO FASTEN THE BOARD TO THE RAILS - LOW MAINTENANCE -
SUPER FAST INSTALLATION - ECOFRIENDLY.**



DECK BUILDING: IMPORTANT THINGS TO KNOW BEFORE STARTING!

Traditional Decking Systems

THE OLD FASHIONED WAY



Though decking is a common product in our culture, nobody knows about the huge lever of skills needed to master this art.

Many commercial facilities have been pushing outdoor floorings only as far as the sale side is concerned! WRONG...

Decking requires a master Deck Builder to do the job properly. Wether you choose a composite or natural deck, you must know that those boards move, they have to be outside and most of all, people walk over that!

Consciousness of this is a signal before starting or choosing the best installation system.

Otherwise you run the risk to buy an excellent material and trash it after one season because of a wrong installation.

Decking market offers many installation systems, starting from the traditional ones till the most innovative new generation where the chance to mistake is brought down to near zero!

Traditional Decking System: Face fastening (screws/nails)

This is the oldest (not to say jurassic) way to install a deck. Each board need to be spaced and aligned, then all you do is just screwing or nailing it from the top on the below understructure rails. Though it seems easy, you have no idea of the expertise and amount of time you need to put this together without doing a bad thing! First thing to take in consideration, seems dumb to say, but it is the going straight with the nails/screws otherwise you're gonna create a snake pattern:



Now you might think that one of the plus of this system is the easy way to remove a board (just a drill/screwdriver)... but... attention!

When you lay down the new board you need to put new screws in new places otherwise it won't hold as strong as before!

Traditional Decking System: Hidden Clips/Fasteners

This is the first kind of innovation that came after the face fastening decking system. Definitely a cool way to get the screws out of sight, but they're gonna be still there! A little step further though, since the hidden clip in most of time takes down the time needed to space each board.

What if you need to remove a board? Perhaps at the centre of your deck? NIGHTMARE !!!!!

All you have to do is "just and simply" start from the nearest perimeter, take out all the boards till you reach the one you desire to remove, replace it, and re-install everything!



Some pirates use to pull the board out and then face fasten it... (forget about that!).

Conclusions on traditional systems: before buying a decking to be installed through one of these two systems, there are deep consideration to be done, especially to know what you're going to encounter after some time!

The real problem is given by screws... they won't hold forever! And despite being a time waster thing, it force you to structural maintenance every single season (this depends on the kind of wood/material and screws you use).

When the screw fails, the board lifts up, this is not just bad looking, is even dangerous especially if you have kids... just to give you a few examples:



- New Generation Decking - innovative installation systems

Easy Click: decking with just a click of your foot



iDecking Revolution is the company born to innovate in the field of decking/cladding installation systems and materials! The company patented a whole new generation of decking installation systems, selling successfully worldwide!!

EasyClick is the innovative system which allows you to install iDecking Revolution boards simply using your feet. No need to use any nails, screws, drills, spacers or “obsolete” clips. The EasyClick system helps ensure a quick and simple troublefree installation. EasyClick is essentially comprised of an understructure “rail system” which comes with pre-installed and pre-spaced patented EasyClick nylon clips.

Our patented grooved decking boards are then simply pressed and locked in place. The system can be used both for Wood and for Composites such as DURO and ETHERNO (Carbonized Bamboo)!!!

WHAT ARE THE HIGHLIGHTS OF EASYCLICK SYSTEM?

- Decking installation up to 5 times faster than traditional deck building
- Boards require Zero screws, nails or other fasteners to fit the under rails
- Drastic reduction of installation errors
- “Effortless” installation
- Doesn't cause water stagnation under the deck
- Increased structural integrity and strength
- Self blocking and Self aligning system

Easy Change: remove/replace any board with a simple turn of the EasyKey



EasyChange is the only system in the world which allows you the ability to remove and replace every single board of your deck using a special iDecking key.

No need to utilize any drills, screws, spacers or “obsolete” clips to install the decking. iDecking Easy Change system helps ensure a quick and simple troublefree installation.

EasyChange is comprised of an understructure which comes with pre-spaced special rotating nylon cams. Decking boards are then locked in place with a simple turn of the EasyKey.

The system can be used both for Wood and for Composites such as DURO and ETHERNO (Carbonized Bamboo).

WHAT ARE THE HIGHLIGHTS OF EASYCHANGE SYSTEM?

- Remove and replace any decking board from anywhere in the floor
- Up to 50% faster installation compared to traditional deck building
- Doesn't cause water stagnation
- Increased structural integrity and strength



DECKING: WOOD VS. COMPOSITE?

USEFUL THINGS TO KNOW BEFORE BUYING A DECK



Decking
Wood vs. Composite

Choosing the right material for your deck is a process that needs knowledge. If we're opting for a wooden deck, first consideration is to go for a noble wood like IPE or Teak for example.

We're aware we're far from talking about a cheap solution, but we even know that it is the best investment we can do on our deck's longevity.

It's not really great to have your deck installed, looking gorgeous soon after, and after a few weeks comparing it to a rally truck!

Important is even to choose the best installation system... especially if we talk about less stable woods, you really need to look for a zero screws/nails solution... it's just a matter of time, screws loose their hold and look what happens:

Wood is magic and its warmth cannot really be re-created with any other material! You just need to be careful to choose the right one and install it the right way.

After being worked, wood goes on living. Maintenance required is both for structural and esthetic reasons.



Composites is a totally different speech... Normally they are called WPC (wood polymer composite) and here you really have not to run the risk to be fooled by commercial ads saying: NO STAIN, NO MAINTENANCE! Just Wrong... or better, it needs explanation. Standard WPC composite decking boards are made of recycled polymers such as PE or HDPE, which are no more and no less than recycled plastic bottles, bags etc.etc.

And the boards made out of those polymers are subject to extremely bigger movements and torsions if compared to the not recycled PVC (which can be recycled, is more valuable and doesn't move as much!).

This is what we need to know when we approach the idea of buying a composite product, especially if you're willing to install it... a material that moves a lot needs a master deck builder to deal with, otherwise you just trashed your money.

In the compound/mixture of the standard wpc decking boards there is even a percentage of natural product, the most common is SAWDUST! Wow... sawdust! When dropping oil on the floor, my grandmother used to put sawdust on top in order to absorb it and better clean! IT ABSORBS A LOT... really a lot!

So again be prepared to dimensional changes according to the percentage of sawdust inside... this again it's not a that bad thing if you know it before you get it installed (to do it the right way).

What does it happen when you build your deck with a standard wpc composite decking? Look below:



COMPOSITE DECKING (WPC) - HOW TO MAKE THE RIGHT CHOICE!

In the world of outdoor flooring, composite decking materials are becoming bigger and bigger. That's why we all got to be very careful about falling in love with fashion advertised by sales people without the proper technical knowledge. How many times you've been told ZERO MAINTENANCE, EASY INSTALLATION, LASTS FOREVER! That's absolutely wrong... or better, these shouts definitely need a deeper analysis. Let's go then!

WPC/BPC Composite - What does that really mean?

Standard WPC composite decking boards are made of recycled polymers such as PE or HDPE, which are no more and no less than recycled plastic bottles, bags etc.etc. Though this represents a potential good Green commercial hook, those polymers cannot be recycled infinitely!

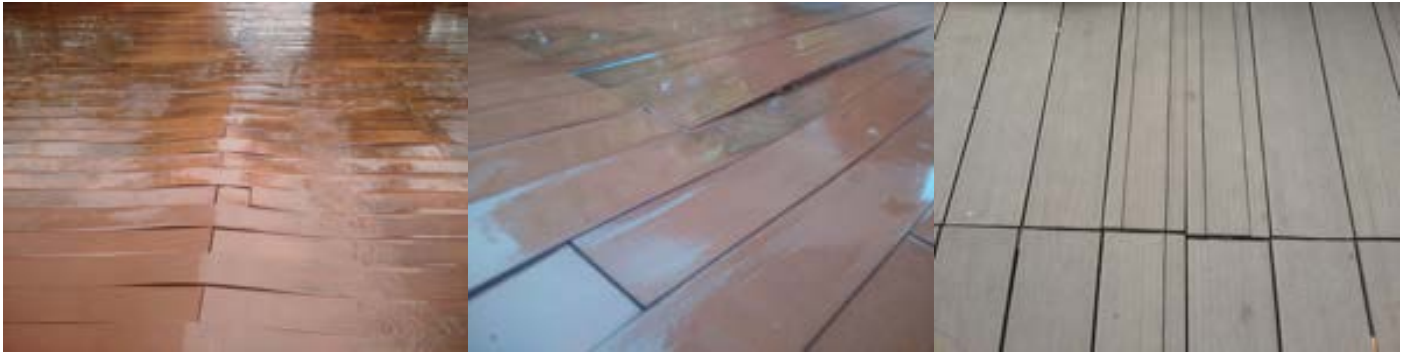
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What does it happen when you build your deck with a standard wpc composite decking?



What you just seen can happen sooner or later, more or less, according to the quality of decking boards you are buying. This is essential to know in order not to encounter a deep disappointment after what looked like a good deal!

Composite Decking: Solid or Hollow?



A myth needs to be busted: solid = better, hollow = worse !

This ONLY depends by the quality of the material the boards are made of. In a standard WPC, in fact, a solid board it's preferable because these kind of composite deckings have a soft structure, and in this case a hollow board could be more fragile if the material is the same.

But there a back side to take in consideration, the more mass you have, the more the board will move! It would be much better opting for an innovative material made of PVC... in this case is much better a PVC hollow board than a PE or HDPE solid one!

Because it has a stronger, more resistant structure!

DURO Composite the new generation of decking composites!

Consciousness about all the limits linked to WPC/BPC composites lead the italian team of iDecking Revolution to develop a new material to fix the major problems coming from traditional composites. Its name is DURO, the new material made of RICE HUSK (skin of the rice grain) and PVC (not recycled). Yes, you got it right... RICE HUSK, a by product that would be otherwise burnt and create CO2 is given a much more noble second life into decking boards



with incredible structural performances. It has to be compared to a noble wood other than common composites. Rice grows into water, and the skin of the rice protects the grain till the moment it's ready to blossom! NATURAL HYDRO REPELLENCY, in fact it is only the micro surface to absorb. The perfect contrary of sawdust! DURO means HARD in Italian, and that name didn't

happen casually. The surface is very much resistant and doesn't look fake! This means that after years we are gonna be able to restore our decking and bring it back brand new... if there is a resistant stain, we can sand it and bring it back brand new again... without the need to change it.

The expansion coefficient of each board is just 1mm per running meter, and only in length! Another reason why DURO has no competitor is for the REVOLUTIONARY installation systems patented to install it! in fact, the market is full of very nice boards but they are still tied to face fastening or hidden screwed clips... DURO CAN BE INSTALLED WITH ZERO SCREWS... just with the pressure of your feet! This has a HUUUUUUUGE impact on installation time and overall lasting of the product. It is a stainable/paintable composite... yes again, you got it right!



YOU CAN protect it with a transparent color or give it the color you desire by applying a water based paint as this video shows:



Look at this clip that shows DURO as a swimming pool floor too:



Il DURO is part of a true decking revolution combined with the systems EasyClick and EasyChange patented and worldwide available! Not just a product, but the SOLUTION every deck builder and customer was waiting for!



EasyChange



EasyClick

Extruded Shield Decking has a new Italian name: SKUDO!

What to know about the new revolutionary material and patented installation system by iDecking Revolution!

It's named SKUDO, the brand new ultra resistant shield decking that can be installed with the new EasyClick and EasyChange Technology. This new composite decking has a realistic embossed wood grain finishing on each board surface! It's not just about fashion and look (which is always important), the SKUDO boards are protected by an ultra resistant shield all around giving the decking the most searched and aimed characteristics for this kind of product: anti-stain / easy to clean, no splintering, low maintenance.



SKUDO shield decking wonderfully blends all the advantages of composite wood to the beauty of natural wood, able to guaranteeing an ultra resistant surface in time thanks to its shield. Thanks to these characteristics, SKUDO is particularly appreciated for public jobs where the traffic is high such as: restaurants, bars, pools, hotels, ports, airports, resorts, public and private villas.

Which are the highlights of SKUDO material?

- Real wood looking surface
- Fat & oil stain resistant
- Easy to clean
- Low maintenance
- No splinters, barefoot walking is welcome!
- Improved colour UV resistance
- 100% recyclable



ETHERNO BAMBOO DECKING

Decking has a new protagonist!

In the wide world of Decking materials there's a continuous research for new materials to increase the deck area living, bringing maintenance down to nearly zero. Will it ever be possible? Looks so... Today we talk about a new product developed by iDecking Revolution team which has incredible qualities: ETHERNO BAMBOO. Let's start from the source, Bamboo... Many of you will wonder how is it possible to turn bamboo into flooring?!?!? In fact the bamboo cane



is hollow inside and before turning into ETHERNO Decking it has go through a few steps concerning: cane cutting, treatment, pressing and cut into boards. To do this, there's a particular Bamboo species being used: the so called MOSO Bamboo (Phyllostachys Edulis Moso) having a much bigger cane.

For the more (actually we all should be like that) focused on the environmental, green, ecofriendly side, we've got to remember that Bamboo is classified as "GRASS" and it's among the most abundant resources on the planet! This material has very good environmental certifications.



But, what is the reason why it's considered so special for Decking?

A kept secret and patented "carbonization" process gives Moso Bamboo incredible qualities in terms of strength, stability and design turning it into EthernO Bamboo by iDecking Revolution. We're in front of the only decking material, 100% natural, the most wood looking like, that just won't move! This last point is fundamental, especially for who already dealt with decking, you know how much care and attention you have to put to prevent and foresee wood and composite movements (especially with climate changes).

Another great plus of this material is that it does not splint, allowing a safe and pleasant barefoot walking! EthernO Bamboo is the best solution for high density walking places like bars, restaurants, terraces.

There's something more to say... actually this is the reason to turn this Bamboo product into a UNIQUE product and best on the market: the installation system it's available with!!! EasyClick and EasyChange patented systems by iDecking Revolution.



DECKING COST:

TIPS AND SUGGESTION BEFORE BUYING!

Decking, not matter if natural or composite (wpc - bpc- duro or whatever) is growing like fashion among private and public places. When interest catches you, what do you start to do? Gathering informations to find out what is the best solution for your case!!!!

All you have is a budget in mind for your deck and there we go with the first FATAL MISTAKE you can possibly do: go on google and type “decking price” “composite decking price” “decking offers” “decking sale” etc.etc.

Of course it is wise to have a budget, but the plan to optimize it shall definitely be built on knowledge and consciousness that if not there might lead you to inconvenient surprises (and waste of money). The price of outdoor decking is essentially given by three factors:

1. Material you want to use
2. Installation system you want to use
3. The very place where it has to be installed.

Why? Ok let's be practical and dive into a couple of scenarios:

SCENARIO ONE: I perform my google research based on finding the best price for a composite decking, maybe a stock, and I find it ! Perfect ! Wrong... If I don't remember the area I need to deck is irregular (steps, curves etc etc) I might discover the length of those boards might be not fitting my need... and I might do encounter to have too much waste of material or need to buy lot more.

So always base your research on what you need, and what you really need is given by your specific case! Check the lengths and interval you want install your deck with (or ask your deck builder) otherwise you risk to buy the wrong sized jacket! Are we really sure we are saving money on that budget still??

Then we have the installation system!!!

If the decking I am buying is equipped with traditional hidden fasteners and screws, no matter the material the boards are made from, there will always be the same cost for installation!

I know that in this case I shall be advised that in one there will be more maintenance to do (boards/clips/screws to replace every now and then). If we go for face fastening, this is going to take forever and installation might even cost more than the deck itself!!! Are we sure we are saving money???



SCENARIO TWO: I am conscious about the area I need to cover with decking, and that is the center of my interest! So I know what kind of lengths would be better to use in order to have less waste.

I opt for an innovative and faster installation system which gives a longer life to the deck resistance and of course brings even down labor costs!!! After these two simple mind tricks I already created a very good margin gap on my budget!!!

Now it's up to me to decide whether to use that margin to increase the quality (spend more on decking boards material) or just saving... in either cases I won't encounter bad surprises!





DOMANDE E RISPOSTE

How do I understand the best iDecking system for my needing?

That's the easiest task!

You really have to start from your own scenario (the place and use you need decking/cladding for). For example if you need to deck an area in the shortest time possible, EasyClick is the system you want to talk about. Just think that comparing EasyClick to any traditional way to install decking would make you find out you can speed up the installation till 5 times faster (es. 2 deck builders, regular shape, would install till 100 sqm per day!). If instead I need to deck an area that would need regular inspection, the best system is definitely EasyChange. The system that will let you remove/replace any single board from anywhere in the deck without touching the others! Particularly good for Cladding too! In case you need to add extra cables to an area, or just replace a broken board, EasyChange is definitely the system giving you much more freedom in long term time.

How does water flow under the system? How about the dirt under the deck?

Both EasyClick and EasyChange rails are studied in order not to obstacle the natural path of water (according to the ground slope).

For how RARE it can be that someone would clean under a floor, iDecking system not only make that unnecessary, but structurally, they avoid the most dangerous scenario: water stagnation under the deck!

Then, if you really want to clean under your floor, always remember EasyChange system gives you the chance to remove every single board and clean under that.

Can I lay the deck directly on the ground?

Of course!

iDecking systems are all very versatile when it comes to adapt to any kind of ground, which could be earth, concrete, or a primary substructure in wood or metal. The important thing is that the ground is stable and well leveled (this is required for any kind of flooring you might want to install).

Said so, we always find best fixing the aluminum rails on the ground... but there are chances in which this is not possible (like terraces or balconies for example). Even in this scenario, iDecking is the easiest solution! Which one?

First of all once the decking is all in place with the EasyClick or EasyChange system, it makes one big block... in fact all the rails and decking boards are connected one to the other and this is a huge advantage in terms of movement!

The only issue you might encounter is the normal lifting up of composite materials during the perimeter. For this we can suggest 4 different solutions:

1. in case the height allows, I can create a primary substructure in aluminum and screw the system rails on top of it.
2. I can lay down along the perimeter the iDecking counterweight plates, that will push the structure down.
3. I can use special outdoor glues.
4. In case the deck is pulled to a wall, I can use a skirting profile fixed to the wall... both acting as an esthetic finish of the work, and keeping the perimeter down.

What is the total height of the rails + decking board?

How can I level the deck?

The total height of the rail + duro/duro excellence is 52mm. Going down to 47mm in case we use Ethern Bamboo. If we need to adjust the level of the deck we can suggest to use adjustable pedestals that can rise up the deck according to your needing (of course you can do it with any deckbuilding solution that comforts you best, leveling is the same required job for every deck).

Why is Duro better than any other composite?

Consciousness about all the limits linked to WPC/BPC composites lead the italian team of iDecking Revolution to develop a new material to leviat the major problems coming from traditional composites. Its name is DURO the new material made of RICE HUSK (skin of the rice grain) and PVC . Yes you got it right... RICE HUSK a by product that would be otherwise burnt and create CO2 is given a much more noble second life into decking boards with incredible structural performances. It has to be compared to a noble wood other than common composites. Rice grows into water and the skin of the rice protects the grain till the moment it's ready to blossom! NATURAL HYDRO REPELLENCY in fact it is only the micro surface to absorb. The perfect contrary of sawdust! DURO means HARD in Italian and that name didn't happen casually. The surface is very much resistant and doesn't look fake! This means that after years we are gonna be able to restore our decking and bring it back brand new... if there is a resistant stain we can sand it and bring it back brand new again (in case of DURO NATURAL)... or using our special cleaning products in case of DURO EXCELLENCE!

The expansion coefficient of each board is just 1mm per running meter and only in length! Another reason why DURO has no competitor is for the REVOLUTIONARY installation systems patented to install it! in fact the market is full of very nice boards but they are still tied to face fastening or hidden screwed clips... DURO BOARDS CAN BE INSTALLED WITH ZERO SCREWS... just with the pressure of your feet! This has a HUUUUUUUGE impact on installation time and overall lasting of the product and It is even a stainable/paintable composite... yes again

You got it right! YOU CAN protect it with a transparent color or give it the color you desire by applying a water based paint by iDecking Revolution.

Why is the board hollow?

A myth needs to be busted: solid = better hollow = worse ! This ONLY depends by the quality of the material the boards are made of. In a standard WPC

in fact a solid board it's preferable because these kind of composite deckings have a soft structure and in this case a hollow board could be more fragile if the material is the same. But there a back side to take in consideration the more mass you have the more the board will move! It would be much better opting for an innovative material made of PVC like DURO... in this case is much better a DURO hollow board than a PE or HDPE solid one! Because it has a stronger more resistant structure!

Is it possible to order a custom sized board (length and width)?

Impossible is nothing! Even if iDecking Revolution boards are studied in order to optimize 99,9% of any decking/cladding job. It might happen that for bigger jobs (from 1000 sqm and over) we might need need a custom needing. In this case a specialized office in the company will help project and produce the different sized board (length and width) wether the extra cost is accepted by the client.

Is DURO's surface absorbing water/oils/fats?

The structural characteristics of DURO bring drastically down the absorption of liquids, limiting it only to the micro surface. What shall we do in case of stains then? DURO is a very versatile composite, giving you the chance to act on dirt both before and after use!

We always advice to pre-treat the surface in order to make it easier to clean for regular maintenance! But even in case this hasn't been done, no worries, we can remove persistent oil/fat stains by using the Duro Intensive Cleaner Spray!

In case of DURO Natural, the boards can even be eventually sanded!

How long doest really last an iDecking floor? (beyond the warranty period)

Once the warranty given years are passed, you might be happy to know that your iDecking floor is not going to explode! Overall life of your iDecking floor could be lasting much longer than the warranty period if you have reached that point by giving it the right maintenance during the years. For this, is essential to follow the Maintenance manual (very simple) that you can download on this page!

iDecking installation can be done by anyone?

iDecking systems are born to drastically simplify the decking installation! Traditional installation methods are very complicated and you need to be a skilled and qualified deck builder to approach it. So, with iDecking, a normal handy person can approach decking building without running into fatal mistakes, while a professional Deck Builder will just FLY by using EasyClick or EasyChange system!

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