

Environmentally friendly Sustainable Woods - Eco Decking Tiles:

When comparing our tiles to traditional deck building the lumber use is about half for the same floor coverage. The difference between conventional decking and Eco Decking Tiles, in terms of USAGE of timber is vast:

For 100 m² of decking, conventional decking uses in terms of area a total of 100m², our product has a 5-mm gap between each wood slat, therefore in terms of area, it uses 92.32 m² of timber.

However in terms of volume, there is an even larger difference, for 1" thick conventional decking, the total m³ used for the same 100m² of decking is 2.54 m³, because our product uses a 15-mm thick lumber, the m³ usage of timber is 1.04m³. As a total for every 100m² in terms of area the savings is 7.68m², and in terms of volume, the savings is 1.5m³. And this is NOT considering the wastage when cutting conventional decking, which is about 10 to 20%.

For every CNTR (approximate of 1,300 m²) we save in terms of lumber a total of 99.84 m², and in terms of volume, a total of 13.52 m³ (for your info, a 20' Container of conventional decking has no more than 18m³). This is an enormous amount of lumber that is saved, while providing a gorgeous deck with even a better look.

Sustainable woods and the programs we support. All of our hardwoods are purchased through certified sustainable forestry programs. These programs are important for sustainable forestry to coexist with the hardwood lumber market. Our decking tiles provide critical financial assistance and incentive to landowners to join forestry initiatives that are endorsed by the FSC. Our lumber is supplied through these initiatives that help stamp out illegal logging and the illegal lumber trade.

Products that are re-usable are green. This is a term used for materials that do not go to dump once used but rather can be picked up and used elsewhere. Our tiles can be picked up and used elsewhere saving the material to be used once again. This

not only protects your investment in the material but ensures future use of the material in another living space in the future.

Deck tiles install over existing surfaces. Another important green feature as most materials require demolition or removal of a previous material. Traditional decking and building fills our landfills with concrete and chemically treated wood.

Our Deck tiles typically use the "shorts" which are pieces typically discarded from the furniture and decking industry which are utilized to make our products. This maximizes the use of the wood making sure none of it goes to waste. Traditionally much of the shorts are burnt to make hardwood charcoal. Instead we buy these pieces which are high grade pieces of wood that can only be used to make our beautiful products.

Bottom line is carbon footprint, even after our product has traveled to arrive on site, the longevity, re-usability and the fact this material prevents the existing surface from being removed makes up for carbon footprint use in shipping. The forestry program this product supports all decrease the carbon footprint when compared to traditional deck building from lumber purchased locally.

Hardwood information

Ironwood because of the incredible density can last up to 25+ years in outdoor environments. The fact is that this material will last up to 5 times as long as local lumber such as redwood or cedar. We would rather you build your deck once in a lifetime and not every ten years.

TERMITE RESISTANCE - (15 years in ground without attack by termites) Highest Rating. **FIRE RESISTANCE** - ASTM-E84 tested to National Fire Protection Code, Class A, Uniform Building Code, Class 1; Highest Rating. **HARDNESS** - ASTM-D143 tested; Approximately seven times harder than Cedar, our Ipe decking stands up to the harshest conditions imaginable. **SLIP RESISTANCE** - ASTM-C1028-89 tested; Our Ipe Decking exceeds the Americans with Disabilities Act requirements for Static Coefficient of friction in a wet environment **STRENGTH** - ASTM-D143 tested; Three times stronger than Cedar, our Ironwood Decking exceeds all existing code requirements for exterior construction.