



Pakari is the new and innovative choice for wood applications. Our product begins its life as clear moulding grade Radiata Pine, all sourced exclusively from FSC® certified tree plantations. Then, with the help of a cutting edge technology known as Thermal Modification, our raw lumber is brought to extremely high temperatures in order to improve the wood on a molecular level. The end result is a product that is more durable, straighter and lighter than unmodified wood. Aesthetically the wood is darkened in color, which brings a revered tropical appearance not unlike exotic hardwoods. All of these benefits are achieved without the use of any chemicals, only heat, steam and water.



California Fire Rated



Chemical Free



Insect & Rot Resistant



Clear Knot Free



Renewable Resource



Lightweight No Pre-Drilling



Long Lengths



Installation Instructions for Outdoor Application of Pakari TMD



MANUFACTURED IN AMERICA
Pakari is a product of
Sunset Moulding in Chico, CA
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www.pakaritmd.com

GETTING STARTED

Thermally Modified Wood is Still Wood



Developed in Finland, and successfully used commercially in Europe since the 1990's, Thermal Modification is a chemical free method of heat treating wood with nothing more than steam and high temperatures in order to increase the woods water repellency, insect and rot resistance and dimensional stability.

Once wood has been put through the unique process of Thermal Modification it is improved at the molecular level, taking on an abundance of new benefits; increased durability, stability, and even a reduction in the weight of the wood. Besides the physical improvements, the Thermal Modification process also reduces the woods ability to absorb water, resulting in a product that does not shrink or swell to the same degree as unmodified wood, and is less susceptible to rot.

Pakari TMDs long length structure, lighter weight, and virtually defect free appearance add up to a lower installation cost while providing an exotic look with a variety of design options.

Despite all of these great attributes it is very important to remember that Pakari TMD is still wood. Although Pakari TMD looks like a high-priced hardwood, it is still a softwood like redwood and cedar, and therefore can dent, scratch and check.

The Thermal Modification process increases the woods durability, but to keep Pakari TMD in optimal condition we recommend that it is given the same care and maintenance as other unmodified wood products.

Thermal Modification turns the wood a rich chocolate brown color that is normally only seen in exotic hardwoods, but if left untreated under direct sunlight Pakari TMD will eventually weather to a natural silver patina. It is recommended to use a UV protective coating in order to keep Pakari TMD at its original chocolate brown color.

Pakari TMD is not intended to be used for structural applications, such as joists, beams, support posts, columns or other load-bearing applications. Any deck built with Pakari TMD must be supported by code-compliant material.

Pakari TMD is not intended to have direct ground contact. We recommend all Thermally Modified products be installed at least 12-18" above ground

Pakari is available in other sizes and patterns. Please visit www.pakaritmd.com for more information.

Cutting, Drilling & Installation



- Pakari TMD works well with standard woodworking tools, but it is important that special attention is given to saw and tool coarseness/fineness to better improve the end result.
- We recommend that all blades and routers have carbide tips.
- Saw speed will have an effect on the cut quality; generally, the higher the saw speed, the better the cut quality.
- Use dust masks and protective eye wear for safety as recommended by California Prop 65.
- All installations should follow local municipality code regulations.

- Deck boards shall extend across a minimum of three joist bays and terminating ends shall lie on joist centers.
- A gap of $\frac{1}{8}$ " between adjacent deck boards is recommended as Pakari TMD will display minimal swelling or shrinking.
- Pakari TMD is intended to be installed "ribbed" face up for increased grip, comfort and decreased checking and splitting. For this reason it has been graded on the "Ribbed" face. S4S E4E products have been graded on one face. Defects could accrue on the back of all profiles.

Fastening



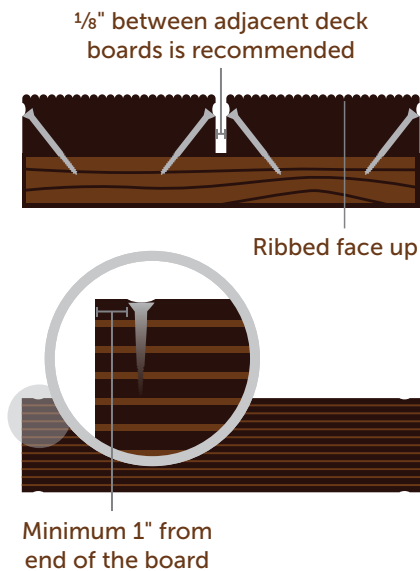
- We recommend using stainless steel products for all Pakari installation, whether using a hidden or standard fastening system.
- All fasteners should be applied a minimum of $\frac{5}{8}$ " from board edge and a minimum of 1" from board ends.
- Nailing is not recommended when installing Pakari decking.
- We do not recommend using a hidden clip system when installing Pakari TMD.

Coating

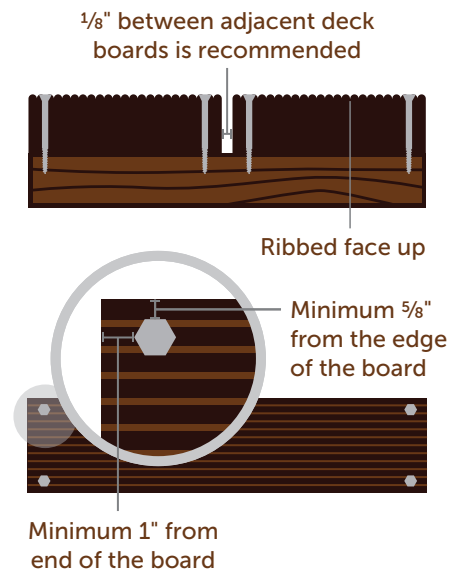


- Coatings are not necessary with Pakari TMD to protect the wood from decay. However, just like any wood product, if left untreated Pakari TMD boards may check. This checking will have no effect on the long term durability or decay resistance of Pakari TMD.
- To help protect Pakari TMD from the natural weathering process of exposure, a high-quality sealant with UV protection should be applied. This will help protect against unwanted checking while keeping Pakari TMD its original color.
- For optimal results against weathering it is advisable to apply a coating before the installation of Pakari TMD. A second coating and future applications will help provide even further protection and will produce the best results.

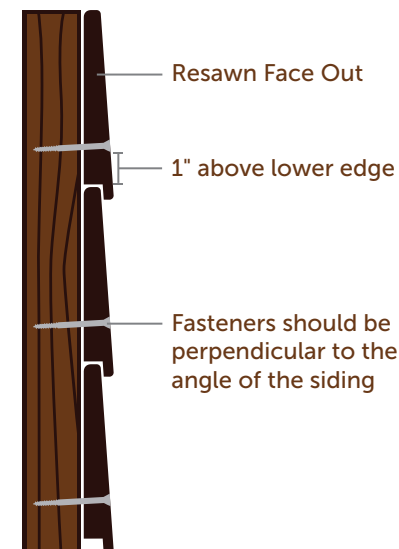
HIDDEN FASTENING SYSTEM



STANDARD FASTENING SYSTEM



DECK SKIRTING SYSTEM



Maintenance



- Because Pakari TMD is real wood it is recommended that you DO NOT use power-washing or harsh chemicals in the cleaning process of your deck, as they can damage the appearance of any wood product.
- To enhance the products performance against weathering please follow the coating manufacturers instructions.
- A soft brushing with soap and water as well as scheduled maintenance is recommended for optimal product performance and beauty.