

FREQUENTLY ASKED QUESTIONS



Q1: What is KLAASWOOD®?

KLAASWOOD® is a type of wood siding that undergoes a thermal modification process. The process involves subjecting the wood to elevated temperatures and pressure in a controlled environment, which alters its chemical and physical properties. This treatment improves the wood's stability, durability, and resistance to decay, insects, and moisture – without any use of chemicals.

Q2: How is KLAASWOOD® made?

The production of KLAASWOOD® involves a carefully controlled thermal modification process. Typically, the wood is placed in an autoclave, or chamber, where it is heated to temperatures ranging from 160°C to 180°C (320°F to 356°F) in a pressurized, inert atmosphere. The wood is heated for a specific duration, often several hours, which varies depending on the desired characteristics and the type of wood being treated. The thermal modification process modifies the wood's cellular structure, resulting in enhanced properties.

Q3: What are the advantages of using KLAASWOOD®?

MADE IN THE USA: KLAASWOOD® manufactures and produces thermally modified wood products in Montana. The company sources the wood in the U.S using sustainable forestry practices.

INCREASED DIMENSIONAL STABILITY: The treatment process reduces the wood's ability to absorb or release moisture, resulting in improved stability and reduced warping, shrinking, or swelling. Over time, this reduces the development of surface cracks. If the wood is coated, the coating will last longer because of the reduced swelling and shrinking.

ENHANCED DURABILITY: KLAASWOOD® becomes more resistant to decay, rot, and fungal growth, increasing its lifespan. The wood meets the requirements of Durability Class One performance, which is the highest achievable level of durability.

BETTER MOISTURE RESISTANCE: Heat treatment lowers the wood's ability to absorb moisture, reducing the risk of damage from moisture-related issues.

NATURAL APPEARANCE: Thermally modified wood maintains its natural wood appearance while achieving improved performance.

ENVIRONMENTALLY FRIENDLY: The thermal modification process is carried out without the use of chemicals, making it a sustainable alternative compared to some other wood treatments using biocides. It is also fully recyclable and has a very low Carbon footprint compared to other products.

Questions?

Please visit www.klaaswood.com for more information.

Q4: Can KLAASWOOD® be painted or stained?

Yes, KLAASWOOD® can be painted or stained just like regular wood siding. However, it's important to ensure that the surface is clean and dry before applying any finishes. The thermal modification process may slightly affect the wood's ability to absorb finishes, so it's recommended to follow the manufacturer's guidelines or consult with a professional to ensure proper application.

Q5: How does KLAASWOOD® compare to other material?

KLAASWOOD® offers several advantages over traditional wood siding options. Compared to untreated wood siding, KLAASWOOD® has improved stability and durability. It also requires less maintenance and offers enhanced moisture resistance. When compared to alternative materials like vinyl or fiber cement siding, KLAASWOOD® provides a more natural and authentic wood appearance while still offering many of the benefits of other siding materials.

Q6: How do I maintain KLAASWOOD®?

KLAASWOOD® is generally low maintenance. Routine care involves periodic cleaning using a mild detergent and water to remove dirt and debris. It's important to avoid using harsh chemicals or abrasive cleaning tools that may damage the wood's surface. Depending on the specific product and the environmental conditions, you may also need to reapply a protective finish or stain every few years to maintain the wood's appearance and protection.

Q7: Is KLAASWOOD® suitable for all climates?

KLAASWOOD® performs well in various climates. Its improved dimensional stability makes it suitable for areas with high humidity or significant temperature variations. However, extreme climates with consistently high moisture content or prolonged exposure to direct sunlight may still pose challenges. It's advisable to consult with professionals or the manufacturer to determine the suitability of TMW for specific climate conditions.

Q8: Can KLAASWOOD® be used for both residential and commercial applications?

Yes, KLAASWOOD® can be used for both residential and commercial applications. Its enhanced durability and resistance to decay make it suitable for various exterior siding projects, including homes, offices, retail buildings, and more. Its natural appearance also appeals to those looking for a visually pleasing siding option.

Q9: Can KLAASWOOD® be used for both interior and exterior applications?

Yes, while KLAASWOOD® is primarily designed for exterior applications, it can also be used for certain interior applications. The thermal modification process enhances the wood's stability and durability, making it suitable for interior projects where these qualities are desirable, such as wall paneling or ceilings.

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