

MAXIMO™ THERMO

FAQS FOR MAXIMO™ THERMO SIDING PRODUCTS

MaximoWood.com



Maximo™ Thermo FAQS

What is Thermally Modified Wood?

Thermally modified wood refers to wood that has been treated through a specific process using only heat and steam, without the involvement of any chemicals. This treatment permanently alters the cellular structure of the wood, enhancing its durability and stability, making it a superior choice for a variety of applications.

What is Thermowood®?

Thermowood® is a registered trademark which may only be used by members of the International Thermowood Association. It is a lumber product developed using a patented system developed in Finland. Production is the same for all members of the association, and the members have implemented an audited quality control system.

How is Maximo™ Thermo made?

Maximo™ Thermo wood is meticulously stacked and bundled before being transferred into a specialized kiln. The kiln temperature is rapidly elevated to 100°C, after which it is gradually increased to the desired level. During this phase, the lumber undergoes drying, reducing its moisture content to zero. Following this high-temperature drying, the kiln is maintained at a consistent temperature to facilitate the modification process. In the final stage, the kiln temperature is gradually lowered, and the lumber's moisture content is restored to a range of 4-7% using water and steam. The result is a highly dimensionally stable and durable wood product.

Is it Chemical Free?

Yes. All Maximo™ Thermo products are chemically free with only heat and steam used in production. Making it a 100% natural and organic option for your project.

What are the available sizes for Maximo™ Thermo?

- Maximo™ Thermowood® Ash - Nickel gap 1x6 Nominal (actual 3/4" x 5 1/2")
- Maximo™ Thermowood® Ayous - V-Joint and Reversible V-Joint/Square Back 1x6 Nominal (actual 3/4" x 5 1/2")
- Maximo™ Thermo Clear Radiata - Nickel gap 1x6 Nominal (actual 3/4" x 5 1/2")
- Maximo™ Scandinavian Thermowood® - Reversible V-Joint/square back 1x6 Nominal (actual 3/4" x 5 1/2")

What are the Species and Best Suited Applications for Each?

Maximo™ Thermowood® Ayous - cladding, soffits, interior ceilings and wall coverings

Maximo™ Thermo Clear Radiata - best suited for cladding; siding

Maximo™ Scandinavian Thermowood® - cladding, soffits, interior ceilings and wall coverings

What are Storage and Handling Best Practices?

- It is ideal to store Maximo™ Thermo products covered with a waterproof tarp until installation.
- The boards should be uniformly stacked and elevated off the ground at least 12". Exposure to UV light can cause the boards to lighten in color.
- Handle the wood with care, as Maximo™ Thermo products have lower moisture content and experience less expansion and contraction than standard wood, though acclimating it to the local site conditions is still recommended.
- It's advisable to allow Maximo™ wood products to acclimate on-site for at least 48 hours before installation to match the moisture level of the environment.
- It is advisable to use gloves when handling wood.

What are the Care and Maintenance Recommendations?

The best practice for having a long lasting and beautiful siding product is to maintain it and clean it regularly. Keep the siding free of dirt and debris, and clean the surface annually with a mild detergent and soft bristle deck brush for best results. Pressure washing is not recommended. Reapply any finishes as needed.

What is the Machinability of Maximo™ Thermo?

Cutting, ripping, machining Maximo™ Thermo will not affect its performance. The thermal modification process reacts all the way through the wood, so from surface to core, the wood has been modified. Always use care when machining wood and use dust masks and eye protection.

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What are Installation Instructions?

It is always best to use stainless steel fasteners when installing Maximo™ Thermo products. Especially for exterior applications. Stainless steel 304 and 316 grades are recommended for outdoor use. For interior use, stainless steel or other non-corrosive fasteners should be used. It is highly recommended to use screw fastening for exterior applications on Clear Radiata Thermo, and Thermowood® Ash. It is acceptable to use stainless steel nails or screws for Scandinavian Thermowood®, or Thermowood® Ayous.

Pre-drilling for screw fastening is recommended.

For detailed information on installation instructions, please refer to the Maximo™ Thermo Installation Guides for siding/cladding.

Can Maximo™ Thermo Products be Coated?



Yes, Maximo™ Wood Products can be coated with oil based or water based coatings. Penetrating oils work best on thermally modified wood products, and will penetrate and protect the wood all the way through the board. Using clear coatings with UV inhibitors will slow the graying process, but the wood will eventually turn gray. Adding a color to the clear will act as an inhibitor and keep the color longer, but will require a regular maintenance cycle. Linseed oil is not recommended for Maximo™ Thermo products as could potentially allow for mold growth.

How will Maximo™ Thermo Products Weather?

Like most wood products, Maximo™ Thermo products will eventually begin to turn to a gray or silver color. This is the natural process when woods (unmodified and modified) are exposed to the elements such as UV and moisture. The graying process does not change the integrity of the thermally modified wood and it will still remain dimensionally stable and durable. If this is not a preferred look, Maximo™ Thermo products can be coated with a tinted finish to slow the process. However, regular maintenance will be required and dependent upon the environment and application, the maintenance cycle will vary.

What is the Warranty for Maximo™ Thermo Products?

Maximo™ Thermo Ash, Ayous, Clear Radiata, and Scandinavian Thermo come with a 20-year warranty against rot and decay. Additionally, Maximo™ Thermo Clear Radiata with OPX treatment* offers a 20-year warranty against termite attacks.

*OPX treatment is water based, non toxic, and that it is an added warranty - besides rot and mold.

Why are Maximo™ Thermo Products considered Sustainable?

Maximo™ Thermo Products are all considered sustainable due to being harvested from well managed plantation forests. The products hold PEFC and FSC certificates ensuring that the forests from where the lumber is harvested are managed in accordance with environmental, social and economic requirements. Each Chain of Custody certification demonstrates the legal and sustainable sourcing of forest products.

Maximo™ Thermo Products offer an EPD (Environmental Product Declaration), which helps to support transparency in carbon emissions reduction.

What is the Waste Disposal Recommendation?

Disposal of off-cuts is done in the same manner as untreated wood. Because there are no chemicals, Maximo™ Thermo products can be disposed of like untreated wood.

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