SCOTTYWOOD

ThermoWood® vs. Thermally Modified

In the world of modified wood materials, both *ThermoWood®* and *Thermally Modified wood* have risen to prominence. Although they may seem similar at first glance, there are vast differences in the manufacturing, which has an impact on the technical properties and performance of the wood.

UNDERSTANDING WHAT SEPARATES *ThermoWood®* from *Thermally Modified wood*

Thermal modification refers to a method of altering the properties of the wood using heat and steam with a minimum temperature of 160°C. The primary aim of the process is to enhance the wood's properties, including resistance to decay and improved stability. As the raw materials and manufacturing process of *Thermally Modified wood* are not overseen by a third party, the process and product quality vary significantly between manufacturers.

Conversely, *ThermoWood®* is a registered trademark owned by the International ThermoWood Association. This trademark signifies wood products made via a patented process developed in Finland in the 1990's. The quality control of *ThermoWood®* was developed during the 90's collaboratively with Technical Research Center of Finland (VTT), member companies and Finotrol Oy.

PATENTED THERMOWOOD® THERMAL MODIFICATION PROCESS

A significant breakthrough in the field occurred in Finland in 1993 when VTT, collaborating with wood industry companies, developed the industrial-scale *ThermoWood®* process for improving the properties of timber with heat and steam. Today, *ThermoWood®* is an international brand with steadily increasing production volumes.

THERMOWOOD'S STRICT *Quality Control*

Scottywood *ThermoWood's* quality control process is meticulously structured to maintain superior product quality. Selected samples from each batch of Scottywood *ThermoWood®* are assessed to ensure our products meet the standards upheld by The International ThermoWood Association. The integrity of the process is further reinforced with third-party external audits performed 3 times a year and paired with our continual in-house quality control.

CONCLUSION

While *ThermoWood®* and *Thermally Modified wood* both offer innovative solutions for modern architecture and design, their differences lie primarily in their manufacturing processes, quality controls and development.

Scottywood *ThermoWood®* is the result of extensive research and rigorous quality assurance, alleviating the need for customers to delve into its manufacturing details. Conversely, without third-party oversight of the raw materials and the manufacturing process for *Thermally Modified wood*, there can be significant variations in product quality among manufacturers.

Therefore, it's essential for architects, designers and consumers alike to understand these nuances, ensuring they make informed choices for their projects.