

brooks bros for
thermowood
cladding and decking



BROOKS BROS
FOR THE COMPLETE TIMBER SERVICE

Brooks Bros for ThermoWood

Thermowood is an environmentally friendly, medium-cost alternative to traditional pressure impregnated wood and as such, is most suitable in outdoor applications: cladding, decking, fencing and furniture.

It is produced mainly using Scandinavian FSC/PEFC Redwood Pine or Whitewood/Spruce.

The ThermoWood process

The patented thermal modification process involves use of controlled high temperatures to dry the wood (phase 1) and humidity (phase 2) to heat it up to around 200oC depending on the properties within the wood. Finally, the wood is conditioned (phase 3) to avoid cracks.

Why choose ThermoWood

The process results in improved timber stability, less risk of cracking, resistance to rot and fungi as well as improved insulation plus, as no harmful chemicals are added during the processing, the timber offers no future harmful environmental impact.

Compared to pressure-impregnated wood ThermoWood has a longer life span and can be burned or recycled like any regular wood.

Depending on the intensity of the heat two forms of ThermoWood are produced:

ThermoWood S – Stable: for softwoods treated up to 190oC and hardwoods up to 185oC

ThermoWood D – Durable: for softwoods treated up to 212oC and hardwoods up to 200oC

Due to the heat, the colour of the timber is changed to a golden brown and generally ThermoWood S tends to have a lighter brown shade than ThermoWood D. If exposed to direct sunlight without any further surface treatment it will gradually turn beautiful silver grey.

The colour also penetrates all the way through the timber, which means it can be worked without any noticeable colour difference.

Other timber species (Ash, Oak and Birch for example) can be similarly processed.

Brooks Bros (UK) is the sole UK distributor of HeatWood ThermoWood I The term ThermoWood is a trademark and can only be used by manufacturers/members/distributors of thermally modified timber approved by the International ThermoWood Association of which HeatWood is a member I For more information about other Brooks Bros services and products (Cladding and Decking) visit www.brookstimber.com

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For tenders, quotations and further information regarding Brooks Bros ThermoWood Cladding please contact your nearest Brooks Bros Sales office below:

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Brooks Bros ThermoWood Cladding

As ThermoWood is well suited to projects facing harsh weather conditions it is an ideal choice for both external and internal cladding.

Why choose Brooks Bros ThermoWood Cladding

Brooks Bros Cladding is produced from the ThermoWood D (Durable) softwoods grade. The average tangential swelling and shrinkage due to moisture for ThermoWood D grade timber is 5-6% and it is classified as durable according to the EN113 standard - meeting Class 2 requirements. It also offers these further benefits:

- ▶ Improved durability against decay
- ▶ Resin removed
- ▶ Reduced splitting strength
- ▶ Slightly reduced bending strength
- ▶ Improved dimensional stability
- ▶ Consistent colour right through the timber
- ▶ Chemical-free
- ▶ Reduced equilibrium moisture content

Brooks Bros ThermoWood Cladding is available in a variety of standard profile patterns and dimensions, is easy to fix and can be pre-finished with coatings, lacquers and stains, preservative and fire retardant treatments.

Bespoke, one-off profiles, non-standard dimensions can be tailored to suit customers' own particular requirements.



Promoting sustainable forest management
PEFC/16-37-024



SUSTAINABLE FORESTRY INITIATIVE

