

MODIFIED SOFTWOOD · HEAT TREATED, NO CHEMICALS

Thermowood

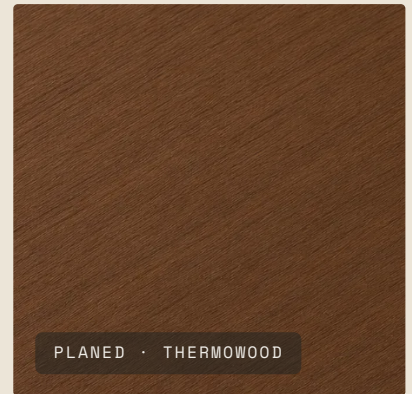
Pinus sylvestris, thermally modified

Softwood cooked rather than treated — heat and steam alone give a rich brown colour through the board, improved durability and very little movement.

Family **Pinaceae**Origin **Scandinavia**

Modified timber

Thermo-D



ALSO KNOWN AS — THERMALLY MODIFIED TIMBER · THERMOWOOD® · THERMO-D

DENSITY

≈480

kg/m³ · reduced by process

DURABILITY

Class 2

Durable (Thermo-D)

WORKABILITY

Good

Pre-drill before fixing

MOVEMENT

Very small

Highly stable

STEAM BENDING

Not suited

Brittle after treatment

APPLICATIONS

External cladding and decking, garden structures, screening and soffits; interior panelling and sauna work. Not a structural timber.

DESCRIPTION

The process uses nothing but heat and steam, so there is no preservative to leach and offcuts are not treated waste. The trade-off is strength: bending strength drops appreciably and the timber becomes more brittle, which is why it is a cladding and joinery material rather than a structural one.

PROPERTIES

Heating to around 210°C in steam breaks down the sugars and hemicellulose that decay organisms feed on, and drives out resin. The colour is a deep even brown right through the section, not a surface stain, and it weathers to silver-grey if left unfinished.

DURABILITY & DRYING

Thermo-D achieves Class 2 durability, suitable above ground but not for ground contact. Very low equilibrium moisture content and little seasonal movement. Pre-drill for fixings — the modified timber splits more readily than untreated softwood.

AVAILABILITY

Machined to order in any of our cladding profiles, or sawn and PAR to your cutting list. Ask the office for current sections and lengths.

Typical published values for the material; properties vary with origin, growth conditions and, for modified and treated timber, with the process and Use Class specified. Confirm critical specifications and current availability with our team before ordering.

● Fast FREE delivery across the East of England & East Midlands

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