

ThermoCraft™

Bringing Wood Science to Wood People

A curated collection of the world's finest thermally modified wood

PRODUCT GUIDE 2026

THE THERMOCRAFT PROMISE

Wood, fitted to your business.

01 **Thermally modified wood.** PAGE 4

Changed by heat in the kiln, in three phases: drying, modification and conditioning.

02 **Five species, clear or knotty.** PAGE 6

Ayous, Radiata Pine, Red Oak, Nordic Spruce and Nordic Pine. Frake joins the range in 2026.

03 **Five ThermoCraft families.** PAGE 8

ThermoClad, ThermoDeck, ThermoSauna, ThermoDesign and ThermoSafeFR.

04 **Six standard profiles.** PAGE 12

Decking, bevel, S4S, Fineline T&G, V-Joint and ribbed, in nominal sizes.

05 **Partner with ThermoCraft.** PAGE 16

Two ways to partner with us.

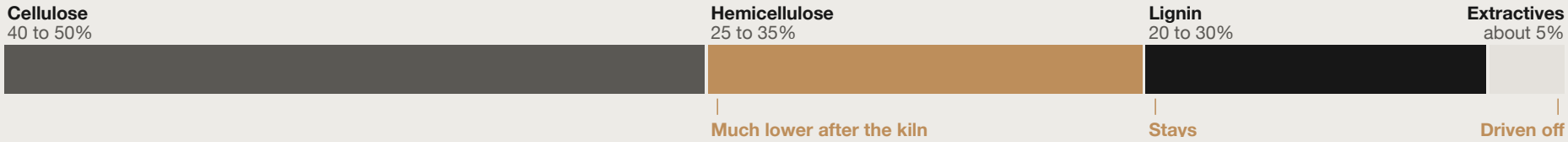
OPPOSITE **RESIDENCE, GHENT, BELGIUM** THERMOCRAFT AYOUS BY LDCWOOD



The science behind thermally modified wood

Heat, steam and water permanently change the wood, with no chemicals used, so it comes out more durable with a rich, even tone. That opens new uses for the wood across North American markets.

WHAT WOOD IS MADE OF



1 The hemicellulose cooks out.

Hemicellulose is the part of the wood that draws in water and feeds decay fungi. The heat breaks much of it down.

2 The lignin stays.

Lignin holds the wood cells together, and of everything in the wood it stands heat best.

3 The wood takes up less water.

With less hemicellulose, the wood takes up less water, so it swells and shrinks less and holds its shape.

LUMBER KILN

Dries the wood.

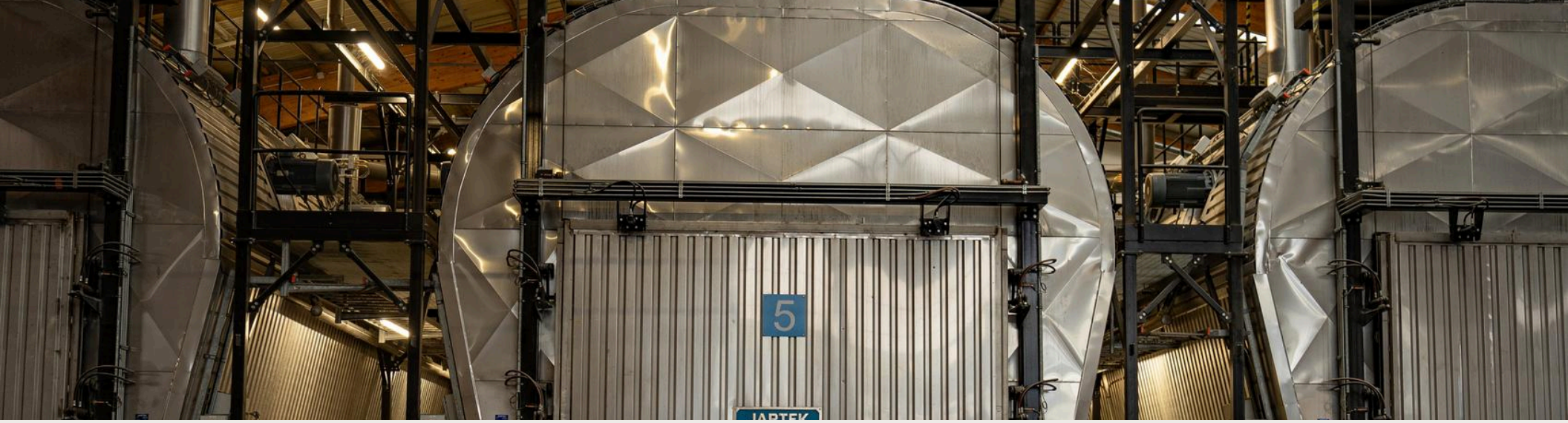
It takes the water out of the wood.

THERMAL MODIFICATION

Changes the wood itself.

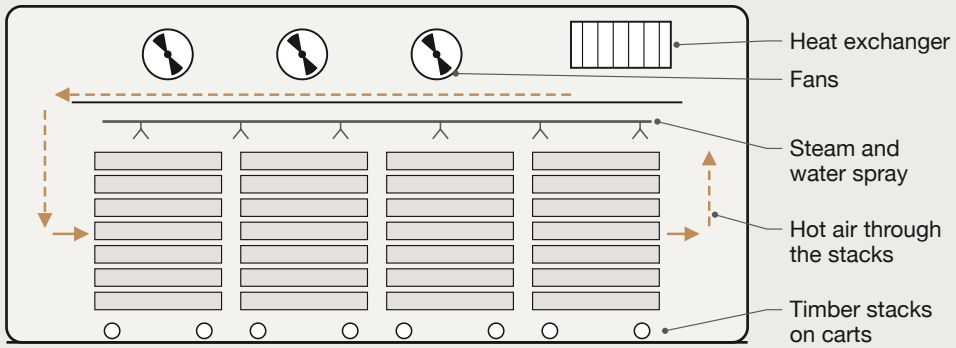
In the ThermoWood® process the kiln dries the wood to zero moisture, then holds it at 190 to 230 °C under steam until its chemistry changes. Water and steam bring it back to 4 to 7% moisture. The change is permanent.

Source: International ThermoWood Association, ThermoWood® Handbook 2025, pp. 4, 7, 11, 12, 18, 26 and 27.



LDCWOOD KILN HALL, BELGIUM

INSIDE THE KILN SCHEMATIC, NOT TO SCALE



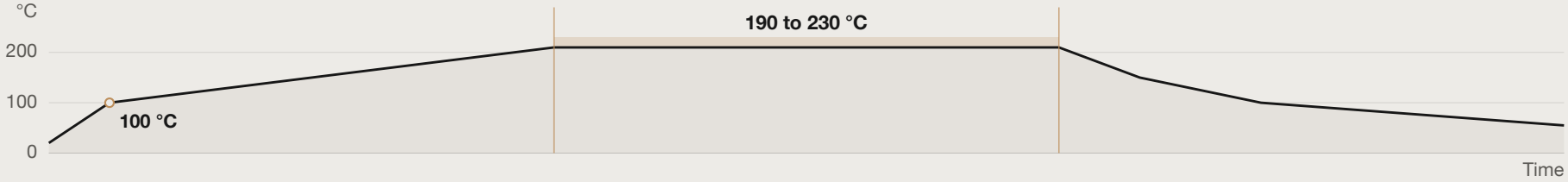
MODIFICATION TEMPERATURE

190 to 230 °C

Set for each species and class, Thermo-S or Thermo-D. S stands for stability and D for durability.

Source: ThermoWood® Handbook 2025, pp. 7 and 18. ThermoWood® is a registered trademark of the International ThermoWood Association (ITWA).

THREE PHASES TEMPERATURE OVER TIME, SCHEMATIC



1 Drying

The kiln heats quickly to 100 °C, then climbs gradually. The wood dries to zero moisture.

2 Modification

The kiln holds a steady temperature, between 190 and 230 °C, and the wood's chemistry changes.

3 Conditioning

A water spray cools the kiln. Water and steam bring the wood back to 4 to 7% moisture.

Five species for cladding, decking and interiors.

HARDWOODS
Ayous and Red Oak.

SOFTWOODS
Radiata Pine, and knotty Nordic Spruce and Nordic Pine from Finland.



ThermoCraft Ayous

A light hardwood with even texture, smooth to work. Dominant vertical grain (VG), for cladding, soffits and interiors.

PROFILES
Bevel, S4S, Fineline T&G, V-Joint, Ribbed



ThermoCraft Red Oak

A dense hardwood from North America with strong, open grain, for decking.

PROFILES
Decking



ThermoCraft Radiata Pine

A plantation softwood with flat grain, easy to machine, for cladding and decking.

PROFILES
Decking, S4S, Fineline T&G, V-Joint



ThermoCraft Nordic Spruce

Nordic Spruce from Finland with small, tight pin knots, for cladding and interiors.

PROFILES
Bevel, S4S, Fineline T&G, V-Joint



ThermoCraft Nordic Pine

Scots Pine from Finland with tight grain and sound knots, for a rustic look.

PROFILES
Decking, Bevel, S4S, Fineline T&G, V-Joint, Ribbed

Natural colour and grain vary from board to board. Ask for physical samples.

NEW FOR 2026 Frake joins the range. Opposite.

New to ThermoCraft 2026

Frake.

ThermoCraft Frake *Terminalia superba*

Sangha Wood

MADE BY SANGHAWOOD

The first ThermoWood® made in Africa.

WHAT OUR TEAM KNOWS

We know where Frake fits.

One species covers exterior cladding and siding, decking, interior panelling, and furniture and joinery. Frake, also sold as Limba, is a West African hardwood.



FRAKE WALL PANELLING

FOR YOUR BUSINESS

Cladding and deck boards to put up against ipe and other tropical hardwoods.

HOW WE SUPPLY IT

Profiles, sizes and availability are being confirmed. Ask our sales team for Frake product information as it is released.

FIRST LOOK

NAWLA Traders Market Booth 941

Anaheim, November 5 and 6, 2026

Five families.

Cladding, soffits, decking, interiors and sauna components for builders. Ask us to confirm the right species and profile for each application.

ThermoClad

Cladding and soffits



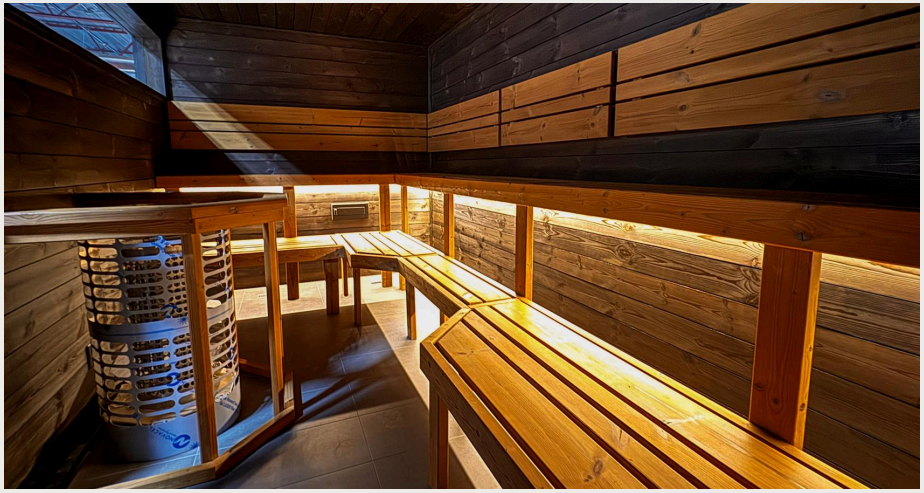
ThermoDeck

Decks and terraces



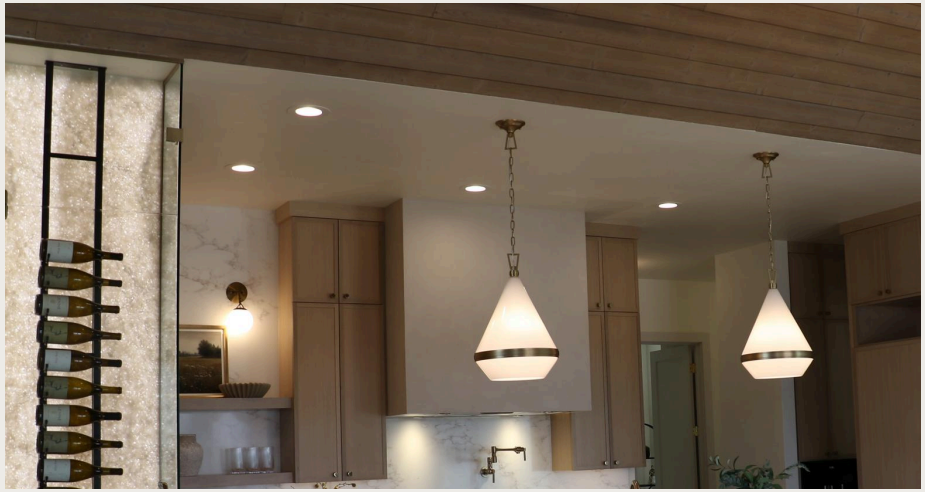
ThermoSauna

Sauna components



ThermoDesign

Specification service



ThermoSafeFR

Fire-retardant-treated wood





Ayous treated with SaferWood Thermex-FR, Southern California. Shown with a factory coating. The fire classification applies to uncoated boards.

FIRE-RETARDANT-TREATED WOOD

ThermoSafeFR

ThermoCraft™ Ayous and ThermoCraft Nordic Pine, treated with SaferWood Thermex-FR by Chemco, Inc.

TREATED WITH

SaferWood
Thermex-FR

How it is tested

Weathered first: ASTM D2898 wetting and drying cycles.

Tunnel test for 30 minutes: ASTM E84 extended (ASTM E2768).

Class A per ASTM E84: flame spread under 25, smoke under 450, flame front within 10.5 ft (QAI Listing B1152-1).

Working with it

- Milled to profile before treatment.
- No ripping or milling after treatment. Cross-cut and drill as needed.
- Stainless steel fasteners, A2 (AISI 304) minimum.
- Install uncoated. The fire classification is for uncoated boards.
- Keep the label on each piece for the inspector.
- Not for structural use, ground contact or standing water.

Uses: Cladding and siding, interior walls; soffits and ceilings where the authority having jurisdiction accepts them.

Ask our team for the ThermoSafeFR submittal package.

+1 (778) 646-2810 | info@thermocraft.com
www.thermocraft.com

Class A
per ASTM E84, 30-minute test

D2898
Tested after weathering

Non-structural
Interior and exterior

QAI listed
Listing B1152-1, CERus-1031

FR SPECS

UNITED STATES

ITEM	RESULT	SOURCE
Surface burning	Class A per ASTM E84: flame spread index under 25, smoke-developed index under 450, ASTM E84 extended to 30 minutes (ASTM E2768), after ASTM D2898 weathering	QAI Listing B1152-1, Table 2
Flame front	No more than 10.5 ft past the burners; no significant progressive combustion	QAI CERus-1031
Fire-retardant-treated wood	Evaluated as complying with IBC 2303.2 and IRC R802.1.5	QAI CERus-1031
Ignition-resistant material	2025 California WUI Code 503.2.2 and 504A; IWUIC 503.2, item 3	QAI CERus-1031
Labels	Chemco's label with the QAI listing mark on each piece (IBC 2303.2.5)	QAI CERus-1031
Use	Non-structural, interior and exterior; not for ground contact or standing water	QAI CERus-1031

CANADA

Surface burning	CAN/ULC-S102 after ASTM D2898: flame spread rating under 25, smoke developed classification under 100.	QAI Listing B1152-1, Table 1, citing NBC 2020 3.1.4.5(b) and 3.1.4.8(3)
Use	Non-structural	QAI Listing B1152-1

QAI CERus-1031 is a US code evaluation. Canadian values come from QAI Listing B1152-1 (CAN/ULC-S102). No Canadian code evaluation (CCMC) is on file.

Fire-retardant-treated wood carries a surface-burning classification. It is not a fire-resistance-rated assembly and has no hourly rating. Fire performance applies to ThermoSafeFR Ayous and Nordic Pine as treated by Chemco, Inc. and labelled under QAI CERus-1031 and QAI Listing B1152-1, installed uncoated, unripped and in non-structural uses. Some stains, paints and coatings reduce fire performance; Chemco endorses no coating. Project acceptance rests with the authority having jurisdiction. Sources: QAI Listing B1152-1, Edition 3 (March 9, 2026) and QAI Code Evaluation Report CERus-1031, rev. March 2026 (report holder: Chemco, Inc.), at qai.org; the listing names the boards "Thermally Modified Ayous" and "Thermally Modified Nordic (Scots) Pine". Treated with SaferWood™ Thermex-FR™ by Chemco, Inc. SaferWood and Thermex-FR are trademarks of their respective owners.

Placement and installation.

ThermoCraft™ installs like standard timber, with nails or screws. ThermoCraft is slightly acidic, so use stainless steel or an equivalent corrosion-resistant fastener. Hidden-fastening clip systems are available. Follow the installation guide for each product.

CLADDING PROFILE	JOINT	HORIZ.	VERT.	DIAG.
Tongue and groove (T&G)	Closed	●	●	●
Rectangular / batten	Closed, board on board	○	●	○
Bevel	Closed	●	○	○
Shiplap	Closed	●	●	○
Parallelogram	Open	●	○	○
Rib	Closed	●	●	●

Filled dot: recommended orientation. The installation guide for each product governs.

COATINGS

Optional. ThermoCraft takes paints, oils (not linseed) and waxes; follow the coating maker's guidance.

SAMPLES

Ask us for samples, installation guides and current product information.

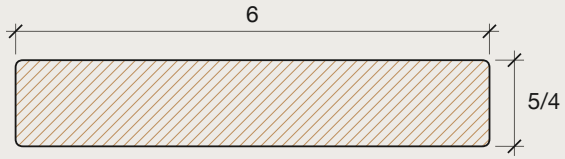


COA DEL MAR EAGLE, ID THERMOCRAFT AYOUS

Shape the surface.

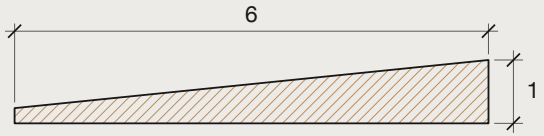
Six standard profiles, drawn in section. Custom profiles on request. Talk to our sales team.

01 Decking



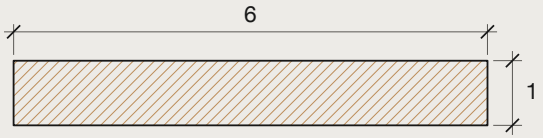
SPECIES	NOMINAL SIZES
Red Oak, Nordic Pine	1 x 6, 5/4 x 5, 5/4 x 6
Radiata Pine	5/4 x 6, 5/4 x 8

02 Bevel



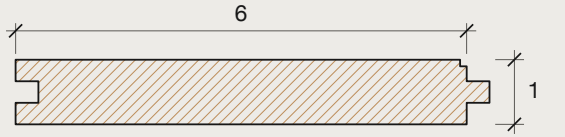
SPECIES	NOMINAL SIZES
Nordic Spruce, Nordic Pine, Ayous	1 x 6, 1 x 8 thick butt

03 S4S



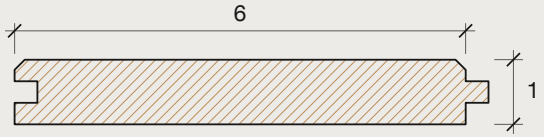
SPECIES	NOMINAL SIZES
Nordic Pine, Nordic Spruce	1 x 5, 1 x 6, 1 x 8
Ayous	1 x 5 to 1 x 12, 2 x 5 to 2 x 12
Radiata Pine	1 x 6, 1 x 8

04 Fineline T&G



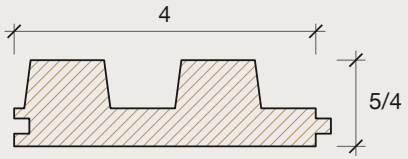
SPECIES	NOMINAL SIZES
Nordic Pine, Nordic Spruce	1 x 5, 1 x 6, 1 x 8
Ayous	1 x 5 to 1 x 12
Radiata Pine	1 x 6, 1 x 8

05 V-Joint



SPECIES	NOMINAL SIZES
Nordic Pine, Nordic Spruce	1 x 5, 1 x 6, 1 x 8
Ayous	1 x 5 to 1 x 12
Radiata Pine	1 x 6, 1 x 8

06 Ribbed



SPECIES	NOMINAL SIZES
Ayous, Nordic Pine	5/4 x 4

STANDARD PROFILES NOMINAL SIZES IN INCHES SECTIONS SCHEMATIC, NOT TO SCALE CONFIRM NET SIZES WITH US



PROJECT GALLERY

In use in North America.



Coalition View Court

SALT LAKE CITY, UT

ThermoCraft Ayous 1 x 6 Fineline

OPPOSITE **PARADE OF HOMES, BOISE, ID**
THERMOCRAFT AYOUS



COA DEL MAR EAGLE, ID SOFFIT, THERMOCRAFT AYOUS



PRIVATE RESIDENCE MCCALL, ID THERMOCRAFT NORDIC SPRUCE

Partner with ThermoCraft.

A curated collection of the world's finest thermally modified wood.



SUMMER HOUSE SOUTHERN JUTLAND, DENMARK RADIATA PINE CLADDING

TWO WAYS TO PARTNER WITH US

Distribution partners

Distributors who stock milled ThermoCraft™ boards and profiles, made to our grade specs, and sell them to the trade.

Talk to us about stocking ThermoCraft.

Program partners

Remanufacturers, prefinishers, millwork shops and sauna builders who work ThermoCraft into their own products.

Ask about a co-branded ThermoCraft blank program.

SPECIFYING OR BUILDING WITH THERMOCRAFT

Architects and specifiers

Samples, documents, AIA-accredited training and help specifying ThermoCraft for your project.

Talk to our team.

Builders

ThermoCraft through the dealers our distributors supply. We'll put you in touch.

Ask us where to buy.

Plan the season with us.

Our sales team plans each season with your buyer. For distributors, that starts with a ThermoCraft Strategic Launch plan embedded with your team.

WHAT WE BRING	WHAT WE WORK OUT TOGETHER
Distribution partners	
ThermoCraft range for your local market	The species and sizes you'll carry
Complete ThermoCraft brand kit and a launch team embedded in your market	An opening order that fits your season
One sales contact who plans with you	Sell-through reviews during the season
Samples for your branches	
Training for your sales team	
Help with specifications	
Program partners	
Co-branded ThermoCraft blank programs	The season you're planning
A supply plan built with you	Lengths, packs and timing for your runs
Your species, grades and sizes	
Training for your people	
Help with specifications	



PARTNER WITH THERMOCRAFT

How to start.

01



DISTRIBUTORS

Talk to us about stocking ThermoCraft.

02



PROGRAM PARTNERS

Ask about ThermoCraft blank programs.

03



SAMPLES

Samples for your next sales meeting.

OPPOSITE **SALT LAKE CITY, UT** THERMOCRAFT AYOUS



Selected from the global leaders in thermally modified wood.

GLOBAL PARTNERS

- **LDCwood** BELGIUM
- **SanghaWood** CAMEROON
- **HJT-Holz** FINLAND
- **SWM-Wood** FINLAND
- **Imbue** NEW ZEALAND
- **SaferWood** FR TREATMENT

ThermoCraft™

Milled to our grade specs.
Stock and know-how in North America.

YOUR BUSINESS

- Distributors
- Dealers and lumberyards
- Remanufacturers, prefinishers and millwork shops
- Sauna builders
- Architects and specifiers
- Builders and contractors

CALL
+1 (778) 646-2810

EMAIL
info@thermocraft.com

WEB
www.thermocraft.com

Call the ThermoCraft team at +1 (778) 646-2810.
Our sales team comes back with samples and a first plan to work through together.

OFFICE
102-186 Nanaimo Ave. W
Penticton, BC V2A 1N4, Canada

Scan for ThermoCraft.

ThermoCraft™
Bringing Wood Science to Wood People

PROUD MEMBERS ITWA TMT

