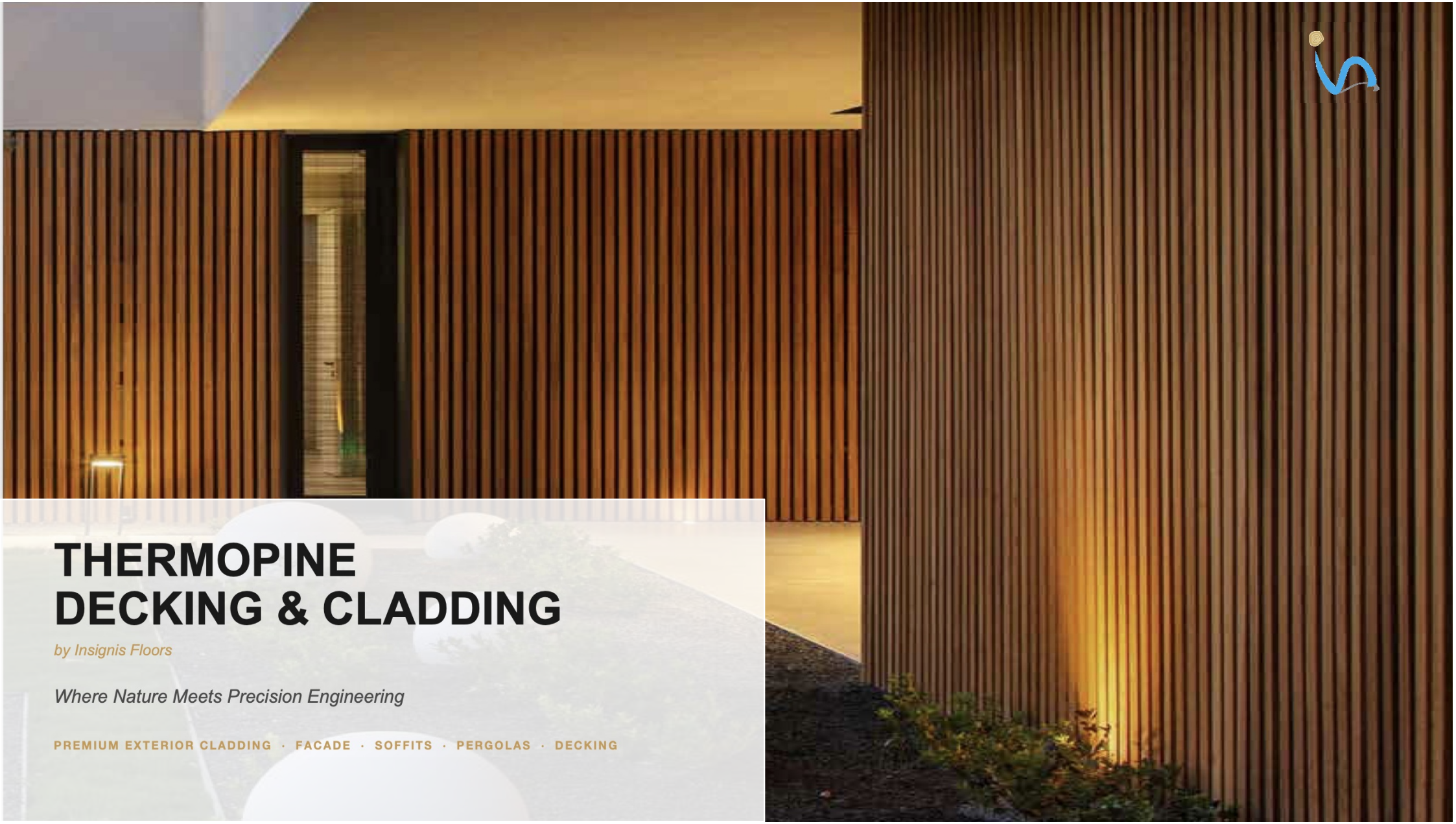


THERMOPINE DECKING & CLADDING

by Insignis Floors

Where Nature Meets Precision Engineering

PREMIUM EXTERIOR CLADDING · FACADE · SOFFITS · PERGOLAS · DECKING



THE SCIENCE

What is Thermally Modified Wood?

Thermo Cladding by Insignis is produced using only heat (180–212 °C) and steam — zero chemicals, zero additives. This patented ThermoWood process permanently alters the cellular structure of pine or ash wood, delivering unmatched natural durability with a rich, warm aesthetic.

80% Less Movement · 60-Year Structural Life · Zero Chemicals · 100% Natural

01

SELECT

Premium Scots Pine
or European Ash

02

HEAT

180–212 °C
No chemicals

03

STEAM

Controlled steam
pressure cycle

04

RESULT

Durable, stable
Thermo Wood

WHY ARCHITECTS & DESIGNERS CHOOSE INSIGNIS

Chemical-Free

Heat-only treatment. No chemicals, no additives — safe for families, pets and the environment.

Weather Resistant

Impervious to rain, humidity and UV. Tested and certified for tropical and coastal climates.

Termite-Proof

Cell-level modification makes wood inhospitable to insects and fungal decay.

Dimensional Stability

Up to 80% reduction in swelling and shrinkage — won't warp, crack, or bow over time.

80-Year Lifespan

Outlasts conventional timber by decades. Certified to international ThermoWood standards.

Premium Aesthetic

Rich warm tones that deepen naturally. Pine and Ash available in multiple profiles.

AVAILABLE APPLICATIONS

Where Thermo Wood transforms every surface



VERTICAL FACADE CLADDING



SOFFIT & CEILING



OUTDOOR DECKING



PERGOLA & OUTDOOR LIVING

MATERIAL COMPARISON

Thermo Pine vs Thermo Ash

PROPERTY	THERMO PINE	THERMO ASH
Species	Scots Pine (Pinus sylvestris)	European Ash (Fraxinus excelsior)
Origin	Northern Europe	Central & Northern Europe
Colour	Golden brown / warm honey	Dark chocolate brown-grey
Surface	Smooth with subtle grain	Fine, uniform tight grain
Texture	Resinous, subtle softness	Hard, dense, very durable
Profiles / Width	20–100 mm, various profiles	20–100 mm, various profiles
Thickness	Up to 450 mm available	Up to 450 mm available
Warranty	15–20 year structural warranty	20–25 year structural warranty

QUALITY YOU CAN TRUST

CERTIFICATIONS & STANDARDS

1 FSC Certified

Sustainably sourced from responsibly managed forests worldwide.
FSC certification guarantees full chain-of-custody traceability.
Supports green procurement and eco-conscious project specifications.

2 Int'l ThermoWood Assn

Verified by the International ThermoWood Association — the global benchmark.
Ensures heat-treatment meets strict temperature and duration protocols.
Only certified producers may carry the official ThermoWood quality mark.

3 PEFC Endorsed

Pan European Forest Certification — full supply-chain transparency.
Guarantees timber from legal, sustainably managed forests only.
Recognised across 50+ countries for ethical and ecological sourcing.

4 LEED Compatible

Contributes points toward LEED Green Building certification credits.
Ideal for sustainable architecture and net-zero construction projects.
Chemical-free production supports Indoor Environmental Quality credits.

5 Ecological Product

Zero chemicals — heat and steam only, no preservatives whatsoever.
No VOCs, no toxins — completely safe for families, pets and occupants.
Biodegradable at end of life; leaves no harmful residue in soil or water.

6 Low Carbon Footprint

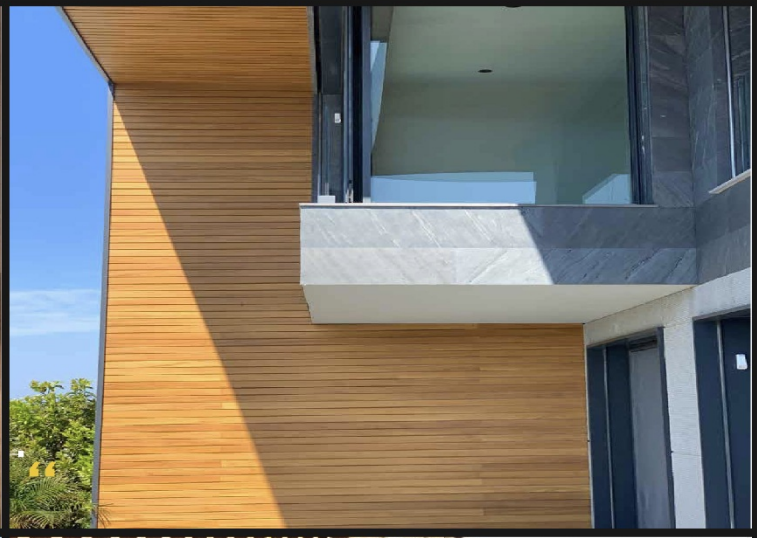
Heat-only process consumes far less energy than chemical wood treatment.
Thermally modified pine sequesters carbon throughout its 60+ year lifespan.
Lower embodied carbon than tropical hardwoods imported from distant origins.

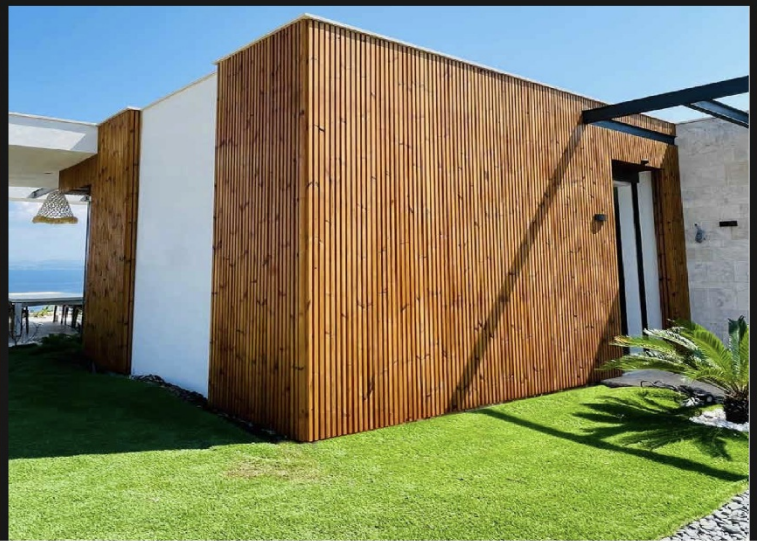
CLADDING GALLERY

Real Installations. Real Impact.









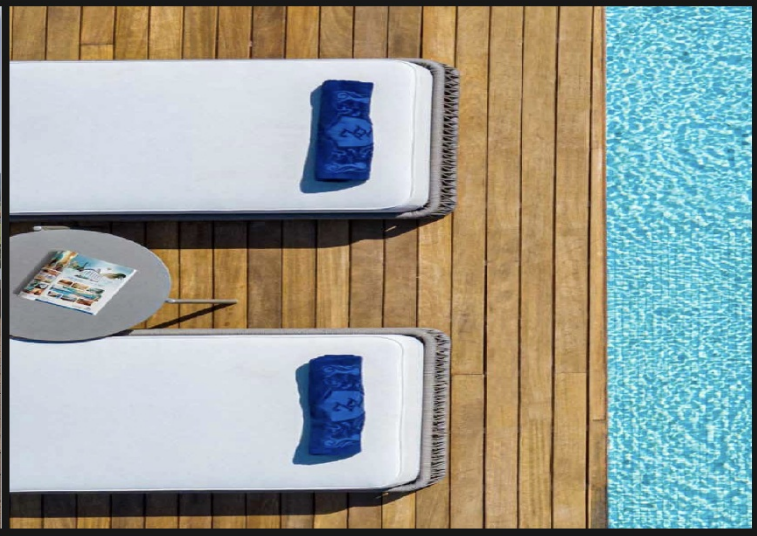


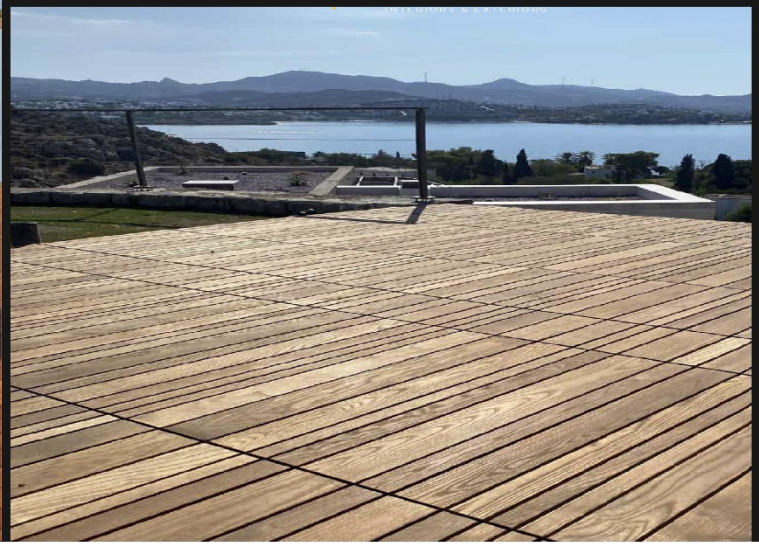
DECKING GALLERY

Thermopine Decking in Action













TRANSFORM

YOUR EXTERIOR.

Let's talk about your next project.

Samples · Spec Sheets · Site Visits — all available on request.

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