



Enhancing
Timber

ImbueTM



About Us

We modify timber – and we enhance it

At Imbue, we modify timber, and we enhance it. Our precision-controlled heat tempering process transforms wood into a superior, high performance material. By refining its structure at a molecular level, we enhance durability, stability, and resistance to external factors. This means fewer defects, less maintenance, and a longer lifespan, ensuring our timber meets the demands of modern construction and design.

Imbue Wood



About Us

Tried and True. Imbue.

Maxwell Wood, established in 2001, introduced Asia's first large-scale thermal modification plant, pushing the boundaries of innovation. Over two decades, Maxwell refined its process, specialising in modifying fast-growing and dense tropical species.

Abodo Wood, founded in 2002, became the Southern Hemisphere's leader in thermal modification, focusing on sustainable plantation species like Radiata Pine.

Together they have 40 years of industry knowledge in thermal modification, and it's from this foundation that Imbue has emerged to continue the legacy of innovation and creating high performance, heat tempered timber.



Imbue Wood



Heat Tempered, Nature Perfected

The heat tempering process at Imbue enhances the wood's natural beauty while strengthening its core. By carefully controlling temperature and humidity, we unlock the full potential of timber, increasing its stability and resistance to environmental factors. Our advanced modification process is free from harsh chemicals, preserving the integrity of the wood while delivering superior performance.

Not All Heat Tempered Wood is Created Equal

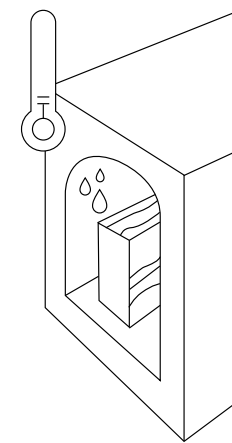
Heat tempering wood isn't just about turning it brown. To get long lasting performance, you need a process tailored for the species, not some one-size-fits-all schedule. Generic thermal modification can leave lower durability timbers weak and unpredictable.

The only way to know it holds up is to put it through the tests, real-world exposure, real decay trials. So that's what we did! We've spent 20 years refining a species-specific heat tempering schedule that modifies and unlocks the best in our timbers.

Imbue transforms rapidly renewable Forest Stewardship Council® (FSC®) certified plantation logs into durable, high performance timbers. The result? Timber with proven strength, stability, and staying power. That's where Imbue stands apart.



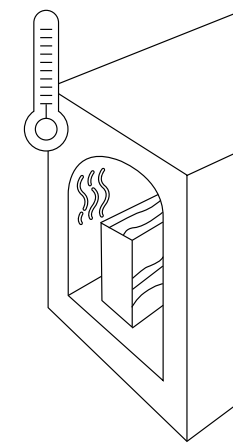
Thermal Modification Step by Step



PHASE 1

Initial heating process

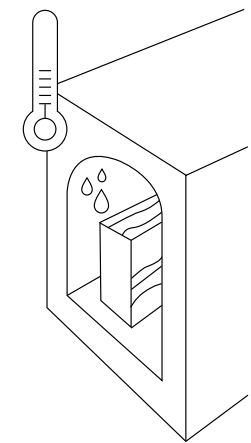
Kiln dried timber is placed in a thermal modification kiln and is gradually increased to a target temperature of 230 degrees. This process occurs over an extended period, with thicker boards requiring more time.



PHASE 2

Peak temperature

Once the timber has reached 230 degrees core temperature, it is held for a minimum of 2 hours. At this point the thermal modification is occurring than the temperature must be carefully controlled by probes. The moisture content of the wood at this stage is essentially zero.



PHASE 3

Reconditioning process

After the timber has reached its peak temperature, it is slowly cooled, and reconditioned with steam. This raises the moisture content to a target of 6-7% moisture content.



Expertise That Endures

With over two decades of experience and rigorous testing, Imbue stands the test of time. Leveraging advanced heat tempering techniques, our products undergo extensive durability testing, ensuring resistance to moisture, decay, and termites. Our long-standing performance data, collected over 15 years, validates the longevity and stability of our wood.



Imbue is built on a legacy of expertise, and grounded in years of research, and real-world application.



Rapidly Renewable. Responsibly Grown. Real Impact.

Sustainability is at the heart of Imbue. By focusing on fast growing, responsibly sourced species, and FSC® certified forestry we ensure a renewable supply chain without compromising quality. Our commitment to responsible forestry helps reduce pressure on old growth forests while delivering a high performance product. Through ethical sourcing and sustainable practices, we create timber solutions that benefit both people and the planet.



Timber Innovation That Runs Deep

Our commitment to innovation drives every aspect of our process. Imbue harnesses thermal modification techniques to enhance the natural properties of wood, delivering a product that is both beautiful and enduring. Whether it's pioneering the use of rapidly renewable species or refining modification methods for optimal performance, our timber solutions push the boundaries of what's possible.

KEY FEATURES:

- Heat tempered for strength, stability, and long-term performance.
- Durability Class 1 (EN350) and Class 2 (AS5604) – above ground.
- Available optionally H3 treated (AS1604) for termite zones.
- High grade timber with mainly clear faces and minimal knots.
- 15 year warranty.*
- Stores more carbon than it uses in production, 7.56kg + of carbon.
- Profiles and finishes that adapt to your design vision.
- FSC® certified timber from responsibly managed plantations.
- Light weight for ease of install and delivery.

*Refer warranty conditions.



Imbue Screening

Imbue Screening is expertly heat tempered, crafted for high performance exterior applications.

Built to weather gracefully in any environment, it is a renewable alternative to cedar and ideal for rainscreens, battens, pergolas, and facade details. Sourced from FSC® certified plantations, it combines durability, sustainability, and timeless timber appeal.



Imbue Screening, Edinburgh, Scotland. Installed 2025.





Imbue Cladding

Imbue Cladding is precision heat tempered, designed for strength, stability, and lasting appeal. FSC® certified and responsibly sourced, it delivers high performance timber without compromise.

Available in vertical shiplap, T&G secret fixed and other adaptable profiles, with a variety of finishes and coatings, it lets you shape the look and feel of any project. It's also a more sustainable choice with each board storing more carbon than it takes to make.



Imbue Cladding, Stubkaj, Copenhagen. Installed 2023.



Imbue Cladding, Sydjylland, Denmark. Installed 2024.





Imbue Decking

Create a naturally beautiful, durable exterior space with Imbue Decking, made from rapidly renewable FSC® certified timber. Available in a reeded face for improved grip underfoot or smooth dressed surface.

For termite prone regions, after the heat tempered Imbue process, we provide the option of a pressure treated low VOC organic preservative. This provides full protection against termites making it an all in one solution for decking. Unlike most hardwoods, Imbue Decking doesn't need predrilling, making it quick and easy to cut, fix, and finish, a favourite among both professional builders and DIY enthusiasts.



Imbue Decking, Rotorua, New Zealand. Installed 2020.



Imbue Decking, Whatawhata, New Zealand. Installed 2022.





Imbue Cladding, Hudson Valley, United States, Installed 2024.



Raw Timber, Real Potential

Imbue is supplied in rough sawn timber boards, offered in a range of sizes and is ready to be profiled to suit.

- 25x100
- 25x125
- 25x150
- 25x200

- 32x100
- 32x125
- 32x150
- 32x200

- 38x100
- 38x150
- 38x200

- 50x100
- 50x150
- 50x200

Other sizes available on request.

View all specification and technical information on imbuewood.com/resources

Profiled product is supplied as Select grade (refer to Abodo Appearance Grade Rules).

STANDARD PROFILES:

Cladding WB12



138x19 (118mm cover)
Vertical

Cladding WB18



135x19 (115mm cover)
Vertical/Horizontal

Decking DK4



138x27

Decking DK16V



138x27

Screening RHB



68x19

Other profiles may be available on request subject to prior approval and minimum order quantity.

Imbue Wood



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Disclaimer

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