



Live a healthy life with the power of trees



Thoma



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FLORIAN AND ERWIN THOMA

...houses as oases of security.

Can a house be the fuel for vitality and well-being? Houses as oases of comfort are becoming increasingly important. At Thoma our employees work to make this dream a reality.

The patented Thoma Wood100 construction surrounds its inhabitants with pure, solid wood. Entering this chemical and metal-free house is an experience in the energy and the magic of trees, where you can marvel at the finest, high-tech wood technology.

Derided merely as a vision a few years ago, the health-promoting effects of our houses are now backed up by medical studies. Furthermore, with its non-glued solid wood shell, a Wood100 house boasts excellent energy savings, indoor air-quality, soundproofing, and protection from heat, cold, radiowaves, fire and earthquakes. Why shouldn't you build a house of health and joy? Read on to find out why you get the biggest benefit if you choose to build an original Wood100 house.

The wood purity law



THE WOOD100 RULE: THE MORE NATURALLY THE WOOD IS HANDLED, THE BETTER ITS EFFECT ON US HUMANS. MECHANICAL JOINTS WITH WOODEN DOWELS REPLACE TOXIC ADHESIVES.

...works sustainably and without chemicals.

At Thoma we want to surround our clients in nothing other than healthy wood when building. Our first patent described a completely new solid wood construction system. Instead of using damaging glue or metal, our houses are built as massive wooden shells, they are practically settlement-free as well as windproof. Wooden dowels are used as connectors, as has been done for centuries. When the right size and number of dowels are used, the individual layers of wood can be connected to form indestructible solid wooden blocks.

Today, this technique has proved its worth in more than 1,000 buildings in all climatic zones across our planet. The usefulness of this invention is unimaginable: record breaking levels of thermal insulation, much better heat protection, fire safety, radiation shielding, earthquake resistance, 100% protection against condensation and the formation of mold. And in addition to all these benefits, the energy and magic of the trees are preserved as well. No surprise that it became a worldwide hit. Who doesn't want to live in a better house? Houses made of 100 % wood are known simply as Wood100 houses.



NATURE TEACHES US: THE SIMPLEST THINGS ARE OFTEN THE MOST INGENIOUS. THE WOODEN DOWELS THAT WE USE TO HOLD EVERYTHING TOGETHER HAVE BEEN USED BY MAN FOR MILLENNIA.

A LARGE-SCALE WOOD100 HOUSE WITH AN ELEGANT COMBINATION OF A PLASTERED AND WOODEN FACADE.



Thoma



Thoma

Drawing health from nature

**...a calm heart
lives longer.**

Medical universities have scientifically confirmed the long-felt benefits of wooden houses: In a Thoma house your heart saves an entire hour's work every night. The autonomic nervous system is demonstrably strengthened; your immune system positively boosted. From allergies, sleep problems and a weakened immune system to the stress and anxiety of our modern lives – at its best, our wood promotes your health with all the resilient vitality of trees. Build your house with this gift from nature. We also build working spaces, kindergartens and schools. Together we can build a better tomorrow.



Energy self-sufficient without insulation



FILMARCHIV AUSTRIA WAS OUR FIRST, ENERGY SELF-SUFFICIENT BUILD. IT HAS COOLED AND HEATED ITSELF AS AN INDEPENDENT, STAND-ALONE SOLUTION FOR YEARS NOW – EVEN WITHOUT AN EXTERNAL ENERGY SUPPLY – WITHOUT THE OWNERS HAVING TO PAY A CENT.

...the original from the inventor.

With the Wood100 patents, Thoma has not only scooped the new world record for thermal insulation. Our research center is also responsible for developing the first, energy self-sufficient buildings which don't require unpleasant insulation or complicated technology.

The future of this long-lasting construction technique is founded on brilliant simplicity. Our fully wooden shells are windproof yet breathable. They absorb extreme high and low temperature peaks, which means that the costs associated with expensive technology and heating and cooling bills are eliminated.

Wood100 – the most intelligent and healthy air-conditioning comes from nature.



PRIVATE HOUSE WITH MINIMAL ENERGY CONSUMPTION –
THE SOLID WOODEN SHELL MAKES IT POSSIBLE.



Thoma



Thoma

Build in sustainable cycles



BRING THE POWER OF TREES TO YOUR HOME.

...think about the next generation.

The production of glue-free solid wood consumes only a fraction of the energy required to produce chemically processed wood, clay bricks, cement and reinforced concrete. Besides, after it has been used Wood100 does not have to be disposed of as controlled waste. What's left over is clean wood – a valuable material for future generations. This means that old houses can be used to build new ones.

Building with Wood100 is an investment for future generations.

From the cradle to the cradle: Thoma is the only company in the construction industry to have been awarded the international "Cradle to Cradle" Gold certificate. Thoma is the world pioneer in ecological construction.

OUR HOUSE IS OUR THIRD SKIN. THEREFORE THE SAFEST
WOOD TO USE IS PURE "MOON WOOD".

Moon wood



...wood in its best form.

Moon wood is harvested during the waning moon when the sap is at its lowest (in winter). The most important technical advantage of moon wood was scientifically researched and documented around the turn of the millennium at ETH Zurich.

Moon wood is naturally far better at resisting insects and funguses. As a result, houses built from moon wood can last for centuries. This eliminates the need for toxic wood preservatives. It is no coincidence that the oldest wooden buildings in existence, such as the 1600-year-old temple in Japan, are also made of moon wood.

Erwin Thoma was the first to publicize this; his company switched to moon wood decades ago. Today, Thoma operates the largest moon wood sawmill in the world. Benefit from ancient knowledge and wood at its very best. Moon wood by Thoma.

THOMA CURRENTLY OPERATES BY FAR THE LARGEST MOON WOOD SAWMILL IN EUROPE. THE TIMBER IS EXCLUSIVELY HARVESTED DURING THE WANING MOON WHEN THE SAP IS AT ITS LOWEST. SUGGESTED READING: "DIE BÄUME UND DAS UNSICHTBARE" (TREES AND THE INVISIBLE) BY PROF. DR. ERNST ZÜRCHER





Thoma

Modern, rustic or plain



...any architectural style is possible.

Lots of people think that a wooden house is either always rustic or boxy and modern...

From the Arctic Circle to the Mediterranean Sea, from Tokyo to San Francisco there are Wood100 houses in every design. Passive houses and farmhouses, garden houses and high-end villas, stables and a king's residence, schools and kindergartens, fascinating wood hotels and futuristic, multistory apartment buildings...

Energy self-sufficient houses and buildings around a ceramic stove. Office buildings with the most efficient heat protection – and residential buildings which stay warm and cozy with just a few logs on the fire when it's -40°C outside. Sustainable building with pure wood knows no boundaries.

ABOVE: WOOD100 ALPINE FARMHOUSE IN A DREAM LOCATION. FAR LEFT: MODERN WOODEN HOUSE IN VORARLBERG DESIGNED BY INTERNATIONALLY RENOWNED ARCHITECT OSKAR LEO KAUFMANN.

Your safety

...thanks to the
ingenious simplicity
of nature.

Wood100 houses have withstood fires, survived floods and have even endured severe earthquakes in Japan without being damaged. How? The walls, ceiling and roof are all made of solid blocks of wood. Wood100 is six times more fire resistant, withstanding fire for 180 minutes instead of just 30 minutes. Wood100 is earthquake resistant. Our houses have survived the strongest earthquakes in Japan without damage. Wood100 shields from mobile radiation. That's why buildings which are effective against monitoring are built with Wood100. Wood100 is soundproof. The quietest wooden hotel in the world was built by us. Wood100 means high-tech and safety thanks to the ingenious simplicity of nature.

WOOD100 IS A CERTIFIED BUILDING MATERIAL:

- EUROPEAN TECHNICAL APPROVAL – WOOD100 IS APPROVED THROUGHOUT EUROPE ACCORDING TO ETA-13/0785
- PEFC CERTIFICATE – WOOD100 IS MADE OF PEFC CERTIFIED WOOD FROM SUSTAINABLE FORESTRY.
- CRADLE TO CRADLE – WOOD100 IS THE ONLY BUILDING MATERIAL IN THE WORLD TO ACHIEVE THE GOLD CRADLE TO CRADLE CERTIFICATION.
- HEAT INSULATION, COOLING TIME – BEST PERFORMANCE (FRAUNHOFER INSTITUT STUTTGART, TU GRAZ)
- RADIATION SHIELDING (BUNDESWEHR UNIVERSITY MUNICH)
- STRUCTURALLY SOUND (TECHNISCHE UNIVERSITÄT WIEN, TH KARLSRUHE)
- AIR PERMEABILITY, MOISTURE VAPOR TRANSMISSION (TU GRAZ, ECOLABOR)
- SOUNDPROOF (FH ROSENHEIM, TU GRAZ)
- FIRE SAFETY (INSTITUTE FOR FIRE PROTECTION AND SAFETY RESEARCH LINZ)
- CERTIFIED MOON WOOD FROM THOMA



THOMA OFFERS A 100% SECURITY FOR EVERYTHING FROM SINGLE-FAMILY HOUSES TO LARGE-SCALE TIMBER CONSTRUCTIONS: THE FORSTHOFALM WOODEN HOTEL IN LEONGANG.



Thoma



Thoma

Over 1000 healthy buildings worldwide

...the original
from the inventor.

The quality of a wooden building stands and falls by the quality of the wood and the experience in every detail. Thoma built the first large-scale wooden hotel on the Seiser Alm in 2002. In 2004 Thoma built the quietest wooden hotel in the world. Thoma is the only company to build energy self-sufficient buildings without the use of insulating materials and with a mold-free guarantee.

If you build with wood you need the best partner at your side. Renewable wood, solid and pure, processed in its best form. This is Wood100, the original from the inventor.



The benefits of Wood100

Healthy living – calm pulse, improved health, longer life through the power of trees. Scientifically proven and made possible by Wood100.

Comfort – wood in its purest form offers the best living climate.

Thermal insulation – the lowest possible operating costs thanks to record breaking thermal insulation properties.

Air conditioning – the solid wood shell acts as natural, free air conditioning system. Energy self-sufficient buildings made of pure wood are the future development to replace the old, solid wood buildings.

Moon wood – wood harvested at the right time is the best and most natural wooden protection.

Costs – expensive building technology not required, lowest operating costs.

Carbon footprint – wood absorbs CO₂ – glue-free Wood100 has a considerably better ecological footprint than glued wood.

Self-sufficient buildings - the first, energy self-sufficient buildings without insulation and simple building technology were built with Wood100.

Ecology – Thoma is the leading company in sustainable construction (e.g. IBA world exhibition, Hamburg and Architecture Biennale, Venice).



THIS IS WHAT A HOUSE MADE ENTIRELY OF WOOD LOOKS LIKE. WALLS, CEILINGS AND ROOF ALL MADE OF SOLID WOOD100.



WITH WALL THICKNESSES RANGING FROM 12 CM TO 36 CM AND VARIOUS ROOF AND CEILING DESIGNS, WOOD100 IS THE COMPLETE SOLUTION FOR WALLS, CEILINGS AND ROOFS.



Assembly time and building moisture – short construction times help to save costs, and no building moisture means mold doesn't form.

Radiation shielding – best possible protection against high-frequency radiation.

Allergy treatment – fungus-resistant moon wood and natural reduction of house dust thanks to solid wood.

Soundproofing – the world's quietest wooden hotel was built with Wood100.

Safety – highest level of fire protection as well as safety during earthquakes, storms and flooding tested and certified.

Styles – tastes vary – Wood100 is suitable for every architectural style.



Thoma



The way to your dream wooden home



...with reliable partners.

Every good building starts with an idea. You have chosen a sustainable construction method and have the highest standards of living health and comfort. Wood100 is the best choice. Our strong partners are top craftsmen who can offer the highest construction quality when turning your life dream into a reality.

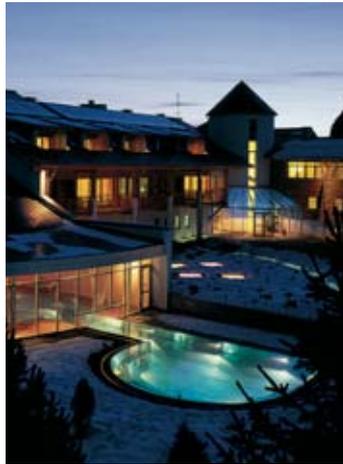
Along with more than 100 employees in our production facilities, lots of people are also working on this future project as part of a wide-ranging research network in the 100+ Thoma partner companies.

AS FAST AS IT GETS! AFTER PREFABRICATION IN OUR PRODUCTION PLANTS THE COMPONENTS ARE TRANSPORTED TO THE BUILDING SITE, WHERE THE DRY, RAINPROOF BUILDING SHELL ALREADY STANDS ON THE EVENING OF THE FIRST DAY OF CONSTRUCTION. A HOUSE IN A DAY – IT SAVES TIME, MONEY AND PROVIDES PROTECTION FROM BAD WEATHER DURING CONSTRUCTION.

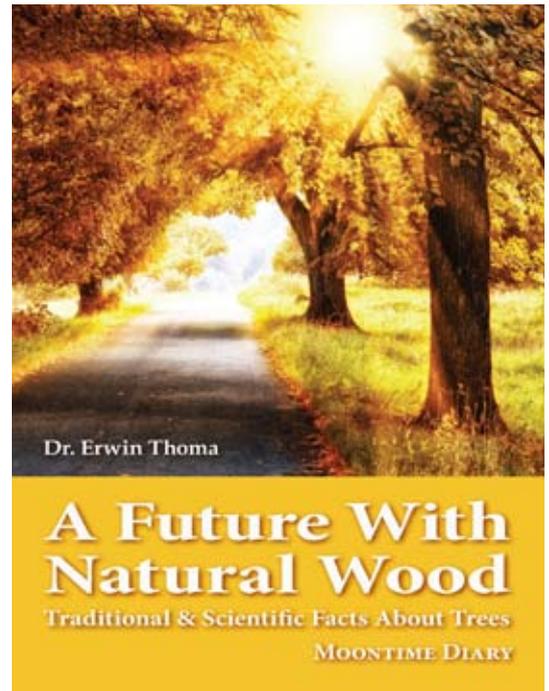
Try first - decide later

...in a unique
feel-good atmosphere.

Natural living atmosphere, healthy sleep, conscious lifestyle – test it yourself! The Mattlihus, the Seiser Alm or the Forsthofalm – the first 7-story solid wooden hotel in Europe with a rooftop swimming pool. Wood100 hotels have an average yearly occupancy rate of 90 %. The biggest compliment for Wood100 is the hotel guests who return to this unique feel-good atmosphere time after time. You can find a complete and up to date list of all Wood100 hotels and trial stay options at www.thoma.at. You can even apply for a trial stay coupon here.



Books by Erwin Thoma



Erwin Thoma published several books about trees, wood and their effects for human beings. His first book translated into English is a worthwhile read for anyone who is interested in healthy building materials, growing trees, working, designing and building with wood.

“A Future With Natural Wood”

reveals a wealth of knowledge regarding trees, forests and wood. Through the illness of their sons, his family discovered that modern building materials can cause serious health problems.

On their quest to establish a healthy home environment, Erwin Thoma tried out his grandfathers traditional methods. He replaced all plywood, chipboard and synthetics in their home with natural timber and the boys regained their health.

As a result Erwin Thoma developed and patented the building system Wood100 and founded the research center in Goldegg.



Thoma



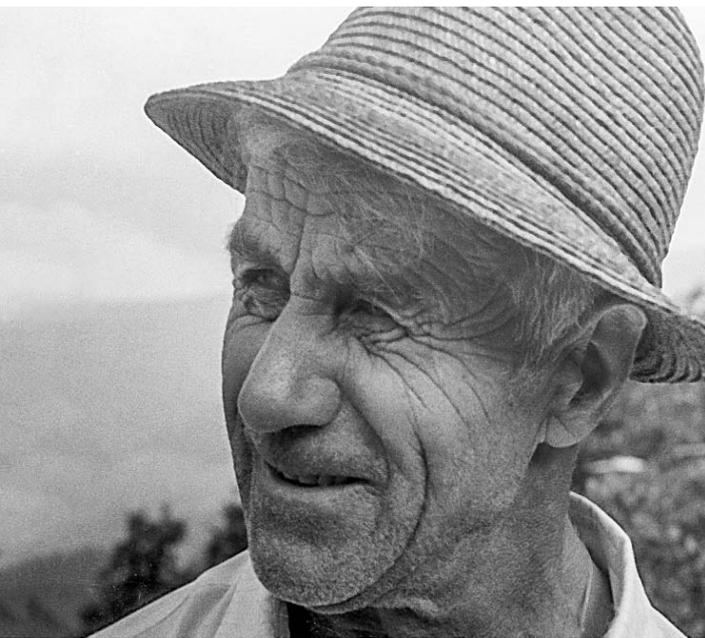
Thoma

Our grandfather

...built log cabins
all his life.

Hatchet, tools and the right trees were used to create wooden treasures, such as this farmhouse, which are becoming more and precious without chemical wood protection even after 450 years.

Our grandfather worked as a carpenter during a time when wood was not treated with pollutants and poisons. From him we have learned the value of such a pure house for the health and well-being of its inhabitants. Today at Thoma, we not only take care that the wood is harvested at the right time and dried carefully, we also make sure that our products are manufactured with craftsmanship using purely mechanical processes, which have stood the test of time in house construction for thousands of years.



LEFT: A CENTURIES-OLD LOG CABIN IN
OBERPINZGAU, AUSTRIA. ABOVE: GOTTLIEB BRUGGER

Visit us

...in the Thoma research center.

Old traditions, tree and wood secrets intermingle with applied, modern research and new technologies. Pause for a moment and feel the life force and quality that flows from the wood in our forests. We would be delighted if you came to a visit and spent a few precious hours at our house.



Visiting times:

Monday – Friday, 9-12 and 13-16

We kindly ask you to make an appointment for consultations and tours.

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