



Thoma
Holz100 Canada

Eco-Friendly
Building Solutions

Endless Possibilities, Unlimited Design

A HOLZ100 home can be built in any architectural style possible. The design possibilities are endless, ranging from modern and traditional homes, community centres, schools, kindergartens, and fascinating wooden hotels, to cottages and high end villas. The wood frame is compatible with any kind of exterior or interior work. This sustainable building with 100% wood has no limits when it comes to form and design.

Construction, now more than ever, is a matter of personal decision; a home reflecting your personality. Never before are there so many trends and styles functioning together. So many possibilities to shape your immediate surroundings whilst matching your private preferences and ideas make building a home special.

Our goal is to build the healthiest houses from sustainable wood. We know that we can't continue to exploit nature to simply make profit. We looked at the marvels of nature and the trees that surround us and realized that they demonstrate the very things we search for in our products and technologies: waste-free closed loop recycling, self-healing and natural remedies, and energy independence based on intelligent use of solar and other sources of green energy. A HOLZ100 home is suitable for generations to come, because its components are based on nature's wisdom.

Build Your Dream Home with Holz100!
Contact us and take the first step to a
cleaner, safer, and better home!



Contact

Frank Ghahremani
416-725-6747
HOLZ100canada@gmail.com



Building a New Home? Go HOLZ100!

In an age where health and pollution are headline material, HOLZ100 provides the answer for healthy living with its eco-friendly, state-of-the-art, 100% natural wood construction for homes. With its non glued solid wood shell, a HOLZ100 house has set world records in heat insulation, air conditioning, energy savings, indoor air quality, soundproofing, protection from radio waves, fire protection, and earthquake security. The patented Thoma HOLZ100 construction method wraps the home's inhabitants in pure solid wood with no chemical pollutants, providing the basis for a cleaner, healthier, and greener life.

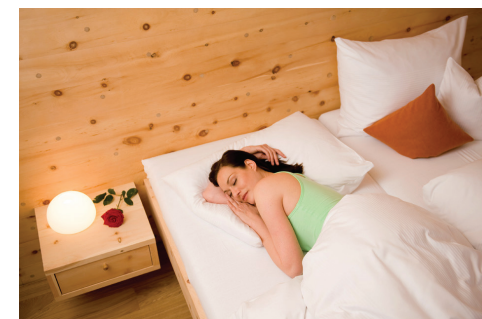
100% Moon Timber with Major Health Benefits



'Moon' timber refers to wood harvested during the waning moon when the sap in the trees are at its lowest. The wood is then left to dry vertically, upside-down with, its bark and a few branches left intact. Gravity will pull what remains of the sap into the branches, which are then cut off. This process produces a superior quality wood that has no cracking, splitting, or warping, as well as no infestation of insects and longer durability. This process involves no use of toxins or kiln drying, thereby creating a lower carbon footprint.

Many research studies in various countries have shown that living in a solid wood home brings about harmony and relaxation. It also slows down the heart rate, boosts our immune system, and provides restorative sleep at its best.

A HOLZ100 home is suitable for allergy sufferers because of the fungal resistance of the special wood we use, as well as solid wood's natural reduction of household dust.



The Toxic Standard

Standard building materials such as adhesives, paint, paint strippers, furnishings, wood preservatives, and aerosol sprays all emit something called volatile organic compounds (VOCs).

Concentrations of many VOCs are consistently higher indoors than outdoors (up to ten times).

Health effects may include:

- Eye, nose, and throat irritation
- Headaches, loss of coordination, and nausea
- Allergic skin reaction, emesis, epistaxis, fatigue and dizziness
- Damage to liver, kidney and the central nervous system
- Cancer in both animals and humans

Because HOLZ100 is 100% wood, it does not emit any VOCs.

Major Benefits of HOLZ100

Natural Climate Control

The mass of a HOLZ100 home makes the home pleasantly warm in winter and comfortably cool in summer. This natural air conditioning compensates for temperature and humidity fluctuations. HOLZ100 houses have a world record in thermal insulation, and therefore have minimal heating costs.

Soundproof

The solid wood walls of HOLZ100 offers excellent airborne and impact sound proofing. Additional requirements for soundproofing can easily be met by adding special structures, such as a 2-layer HOLZ100 sound absorbing wall.

Allergy Friendly

The moon timber HOLZ100 uses is highly fungal resistant. Combined with solid wood's natural reduction to dust, this makes a HOLZ100 home ideal for allergy and asthma sufferers.

Radiation Shielding

The solid wood structure of any HOLZ100 part in combination with the reflecting and absorbing properties of the wood shell minimizes the permeability of high frequency radiation (e.g. emitted from mobile telephone masts).

Extraordinarily Stable

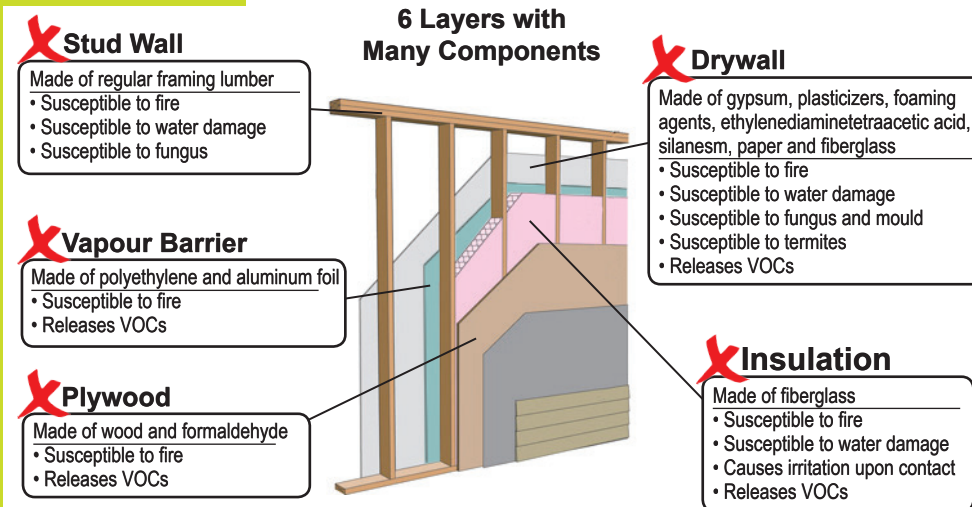
The pure solid wood construction, untreated and free of toxic chemicals, provides an optimal indoor climate where walls are free from mould and condensation. The unique wooden-dowelled cross laminated construction results in no air leaks, no shrinkage and no thermal bridges.

Fire, Earthquake, Storm and Flood Protection

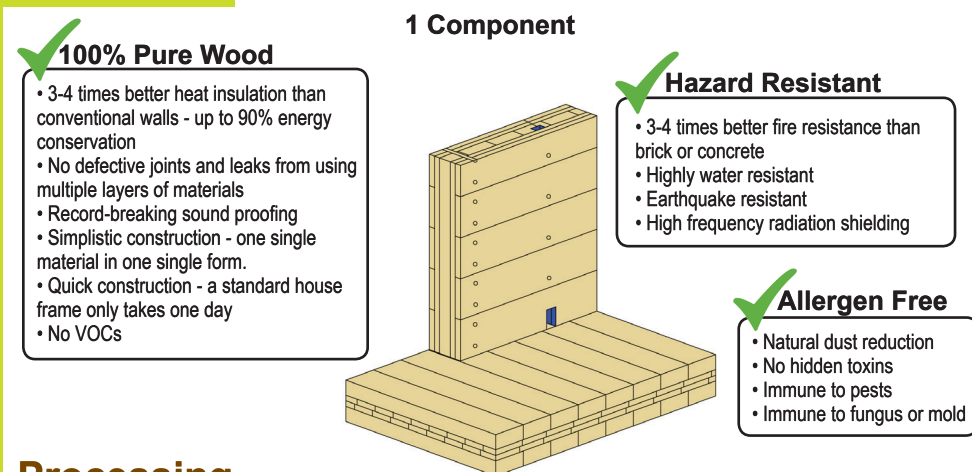
HOLZ100 walls resist flames longer than any other building material. In case of fire, no poisonous vapours are released. HOLZ100 houses have survived numerous earthquakes in Japan without any damage. HOLZ100 houses have also survived the strongest storms in German coastal regions; they suffered no major flood damage and were easily habitable after flooding.

HOLZ100 Construction versus Standard Construction

Standard Wall



HOLZ100 Wall



Processing

Once harvested, cured and cut, the timber boards are layered vertically, horizontally, and diagonally into compact assembly parts. Dust-dry beech wood dowels are then driven through the layers to connect them. Once in place, the dowels absorb residual moisture from the layers and swell up to connect permanently to the surrounding wood like branches and their tree. These dowels connect single layers of wood into one massive and thick block. These are the building blocks for all HOLZ100 homes. Since the walls are prefabricated, it reduces the construction speed greatly - a standard house only takes a few days.

We offer a 50-year guarantee against mold and condensation

