

Finnish Log Houses





Wood - the natural choice

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Warm, natural renewable wood, the natural choice for a healthy home.

Slow grown northern pine.

Finlands unique arctic climate and the slow growing season of Finlands forests produces the high quality pine logs used in all Erlund log houses.

The tight even growth rings of slow grown Northern pine guarantee a long life span and the best possible natural weatherproofing.





Erlund Haus - Mellilän Hirsityö



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Erlund Haus is a innovative, family owned, ecologically thinking log house manufacturer. Based in Mellilä, Southern Finland.

Since 1978 we have specialized in producing and exporting prefabricated log houses.

We manufacture traditional round and square log houses and since 1994 log houses manufactured with our unique patented wall system.

Our production consists of.

- Family houses
- Holiday cottages
- Traditional Finnish saunas
- Public buildings
- Horse stables etc.

Around 90% of our production is exported.

In Germany, our biggest export market we enjoy a reputation as a forward thinking, ecological producer of high quality log houses.



We have experience of log house construction in almost all European countries and with the many different manufacturing options available to us we can cater to all your log house building needs however large or small.





Traditional but new



Traditional but new.

In 1994 we developed a thermally more efficient but still natural log wall structure, that remained faithful to Finnish log house building tradition. This new wall structure meet the stricter thermal insulation regulations demanded in Germany our biggest exporting country.

Unique to Erlund Haus is the patented wall structure which consists of a tight double tongue and groove square log frame (92mm) protected by an external wall cladding made of 28mm heart sawn spruce panels. Between them is blown Ekovilla wool insulation (105mm).

The perfect thermal insulation is achieved this way. The log walls, the bearing structure of the house are sheltered from the effects of different kinds of weather by the log profiled cladding.



Best wood an manufacturing techniques



Best wood and manufacturing techniques.

High quality wood and careful manufacturing techniques enable Erlund log houses to be built quickly and easily.

All timber parts arrive on site flat packed wrapped in plastic. All logs and timber parts are numbered out to size, ready for construction.





Built to last

Built to last.

We build all our houses from slow grown Northern pine not only is it aesthetically pleasing to the eye but long lasting.

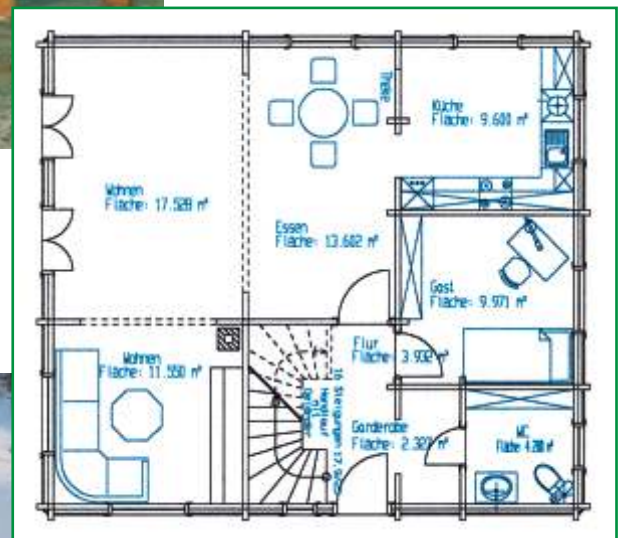


The house you desire



The house you desire.

At Erlund Haus we aim to build the house you desire, although we manufacture many standard models these can be modified according to your wishes. If you have your own ideas or house drawings we offer a complete service to turn your log house dreams into reality.





Energy saving - comfortable living

Energy saving - comfortable living

We build houses for healthy comfortable living. The excellent thermal insulation of our wall system saves energy.

There is no vapour barrier (i.e. plastic) needed in our wall system so the wall can "breathe" keeping the rooms air pleasantly fresh.

The walls ability to breathe keeps the wall construction dry which prevents the existence of mould and rot.

Our wall system makes your living comfort greater by keeping your home warmer in winter and cooler in summer.



Ekovilla - natural insulation

Ekovilla is a cellulose fibre insulation made of recycled paper it does not itch nor is harmful to humans.

Ekovilla is blown into the wall cavity on site.

Ekovilla contains boron compounds which effectively stops rot and fungus.

Ekovilla breathes so a vapour barrier is nor needed.

Ekovilla protects against fire -just carbonises and cools down the heat.

The Erlund wall system has a K-value of 0.28.



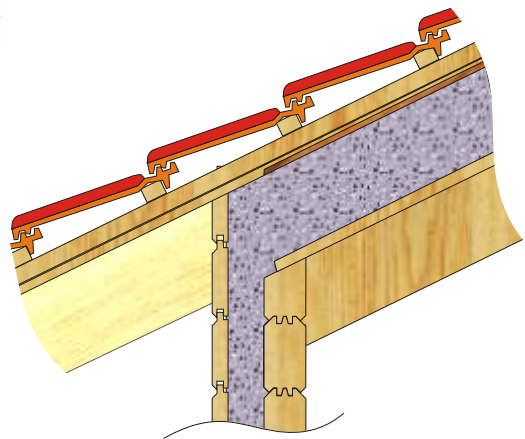
Stylish living



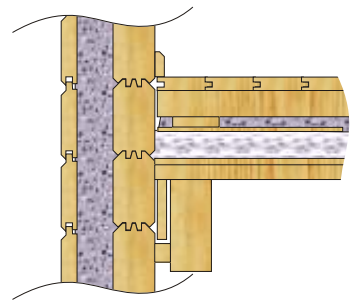
Stylish living

The original log wall of an Erlund log house give a warm and natural feel .

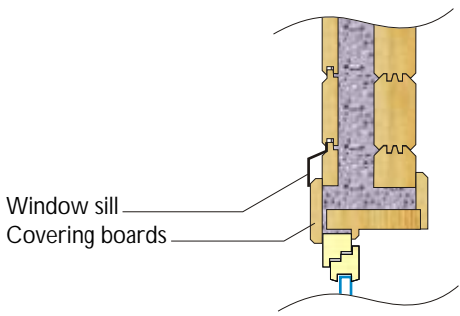




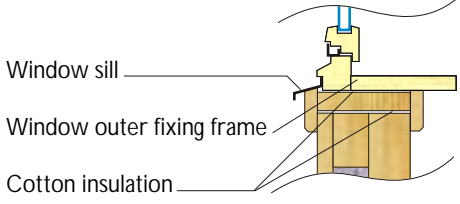
- Roofing
- Roof batten
- Ventilation
- Material covering
- Roof joists
- Roof insulation
- Vapour barrier
- Panel
- Visible roof joists



- Floor boards
- Ceiling joists
- Insulation
- Panel
- Visible roof joists

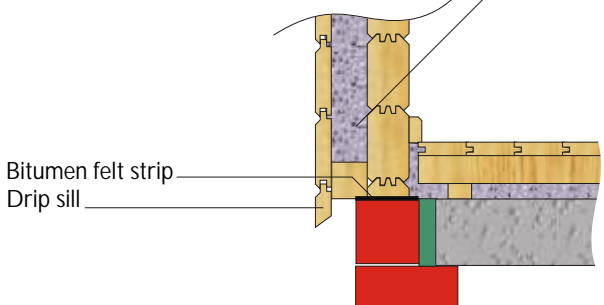


- Window sill
- Covering boards

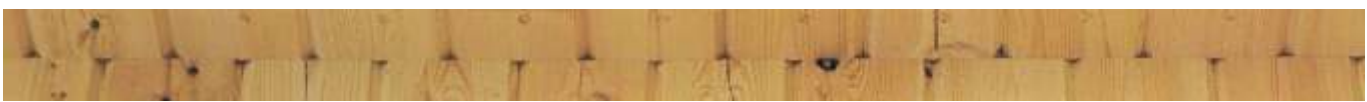


- Window sill
- Window outer fixing frame
- Cotton insulation

- Panel 28mm
- Wall insulation
- Planned log 92mm



- Bitumen felt strip
- Drip sill



Patented wall structure



Patented wall structure

The speciality of a Erlund log house is in the patented Erlund wall structure, a log frame protected by an external panelled cladding with cellulose insulation blown into the cavity between walls.

Any moisture in the cavity can evaporate out through the thinner external wall, the wall breathes that why there is no vapour barrier.

Because vapour cannot condense on the wall structure there is no mould or risk of decay.

Thanks to the exterior insulation and the covering log profile panel all the logs are subject to the same humidity and thermal conditions. The moisture content of the logs will not be affected by heavy rain or extreme temperature differences inside and outside the frame.

This guarantees even settling of all the log walls the weight of the roof will rest optimally on the walls and ridge beam.

We developed this wall structure to meet the stricter thermal regulations demanded today. It became difficult to achieve these norms with a large log because it is more prone to split and crack causing leaking points. The glued joint of a laminated log acts as a moisture barrier which causes rot damage to the inside of the log. We found a solution the Erlund patented wall system.





Wall structure improves the air



Wall structure improves the air

This natural wall constructions unique ability to breath means the air inside the house remains fresh which is particularly beneficial to asthma sufferers.





Comfort on an ecological basis



Comfort on a ecological basis

Warm in winter cool in summer
experience your home in
different seasons, but in all
year round comfort.

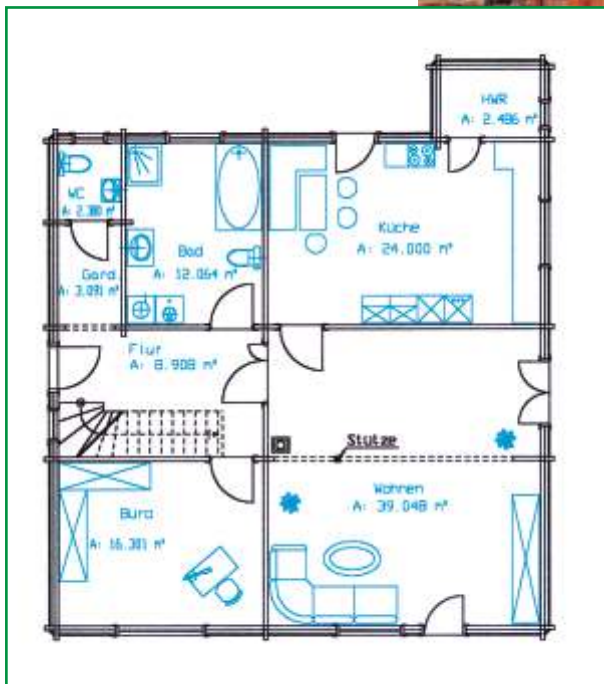




A house unique to you

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We can build a house individually suited to your needs and desires.





Log house tradition



Log house tradition

Experience the unique atmosphere





A new way of living



A new way of living

A large family home or a summer cottage we can offer endless possibilities.





The perfect summer house



The perfect summer house

Quick and easy to build log houses make an ideal summer home.





Ideas for your garden



erlund HAUS

