

LAMINATED LOG 120x180

ECOHOUSEMART
LOOK - LOGS

MODERN

CLASSIC



The handsome-sized multiple laminated log manufactured from three lamellas, which narrow seam profile is also ideal for a modern interior style.

LAMINATED LOG 120x180

ECOHOUSEMART LOGS



Laminated log 120x180 comprises three pieces glued together so that the hard heartwood is located mainly on the surface of the log. The log is impressive, durable, energy-efficient and moisture-safe as a wall structure. Massive wood also has excellent acoustic properties. It absorbs sounds and thus creates a calming atmosphere.

TIGHT AND ENERGY-EFFICIENT WALL STRUCTURE

An essential part of the energy-efficiency of EcoHouseMart log houses is the tightness of the log walls and structures, which is created with technically advanced solutions, such as the notch technology and structural joints.

The corner joints of the 120x180 logs utilize an advanced notch, the shape of which makes the log wall even more airtight and waterproof as well as energy-efficient. The log is quick to install due to the factory-fitted joint seal. Its long-term durability has been tested in a test that corresponds to 50 years of aging stress.



DIMENSIONS:

- log width 120 mm (4 3/4")
- total height 180 mm (7 7/32")

PROPERTIES:

A solid and impressive wall structure. Finished design.

Gluing minimizes the twisting and cracking of the logs.

The hard heartwood is located mainly on the surface of the log.

A tight and energy-efficient wall structure.

Quick to install due to the factory-fitted EcoHouseMart joint and shaped corner notch seal.

Overall heat transfer coefficient (U value) of the 120X180 log wall:

0.915 W/m²K

WOOD SPECIES:

Northern White Spruce

FINISHED DESIGN

- In addition to the advanced technology, the EcoHouseMart laminated logs embody several unique details that crown the look and design of the walls. The low humidity of the logs and the profile of the upper section of the log minimize the creation of the dark shadow line between log joints that is formed in standard laminated logs as the result of drying.
- Extensive machining impacting the finished end result of the EcoHouseMart logs, such as drilling to hide electric cables and partition wall grooving, contribute to the high-standard and finished joints between partition walls and log walls.

SAFE AND HEALTHY HOME

- **HEALTH-FRIENDLY** - The tree is a natural and environmentally friendly product that does not have a negative effect on the human body, unlike other materials.
- **ENERGY EFFICIENCY** - Our glued beam has high heat-insulating characteristics. Wooden walls accumulate warm air and evenly allocate it within doors, keeping the optimum balance of humidity. It is possible to heat such room quickly and easily in winter, and there will never be too hot in summer. Therefore glulam houses are ideal both for permanent residence and for the weekend or holiday stay.
- **DURABILITY** - Glued log house durability is higher, than the durability of a full-log house. Wood compression is a result of gluing the graded lamellas under the pressure.
- **ECO-FRIENDLY** - Wood is completely renewable natural resource.
- **NO SHRINKAGE** - Glued log house demands no time for shrinkage (average shrinkage is about 1%). This lets us begin finishing all work right after installation of supporting construction and build houses the whole year round.
- **QUICK ASSEMBLY** - Glued log house installation terms are incomparably less than the terms of houses construction by the other technologies.
- **NO FINISHING REQUIRED** - Glued beams high aesthetic characteristics let almost completely refuse using of finishing materials. Glued beam is a finished facade material and is universal in a house interior: you can keep the natural wood texture or paint walls any colour.
- **ENDLESS DESIGN OPPORTUNITIES** - Glued beam can be of any length within 38,7 ft., allow for constructing houses of increased complexity and configurations.
- **FIRE RESISTANCE** - Glued logs fire resistance is 10 times higher than fire resistance of other wooden housing construction technologies and also metalwork.
- **BREATHABILITY** - Our glued beam has all the natural qualities of wood including such as natural air exchange and vapor permeability. And that is the reason we can tell our wooden houses "breathe". This ability of wood allow to pass outside any harmful gasses that may become present indoors.
- **EARTHQUAKE-PROOF** - Natural flexibility of wood provides for incredible seismic stability of our houses.

