



AIDIMA

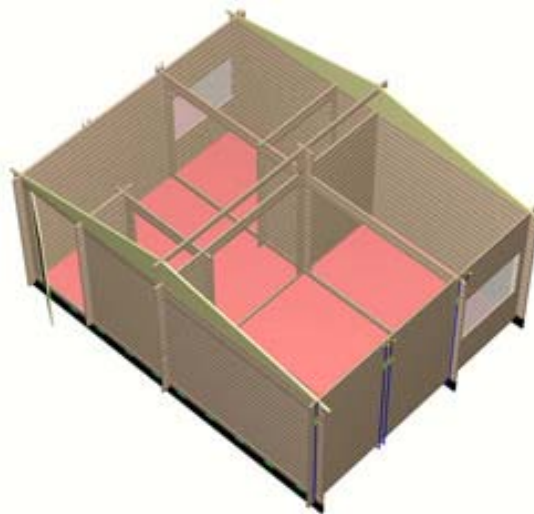
Emergency, disaster, refugee, crisis houses

Innovation
Pat. pending
Innovator

AIDIMA HOUSE, MODEL LOG
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For sale
Contact

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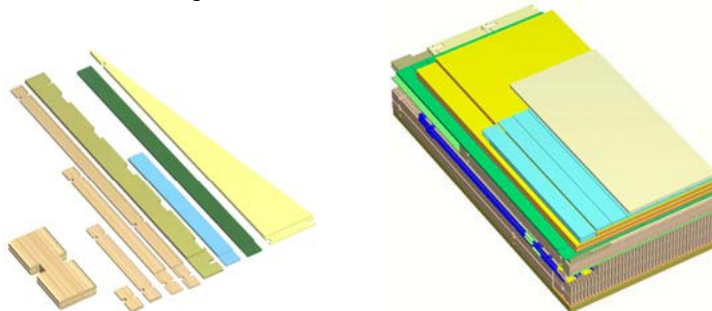
Images: crisis house, log

Use

First accommodation and service building for emergency, disaster, earthquake, flood, hurricane and similar districts. House for refugees and homeless people. Warehouse, garage, summer house.

Materials

Heat treated, planed spruce, balks 120 x 35 mm, footing 150 x 35 mm and 200 x 35 mm film coated spruce or mixed plywood. Roof 15 mm, floor 25 mm, doors and pediments 35 mm. Measurement of the log elements: 3 000 mm, 1 800 mm, 1 040 mm and 275 mm.





Images: elements and packing of log crisis house

Characteristics

Indoor measurements: 5 400 mm x 4 200 mm or 4 200 mm x 4 200 mm or 5 400 mm x 5 400 mm. Indoor height on the ridge: 2 500 mm. Height of ridge: 4 500 mm.

Well wind insulated system. F. ex. storm lock is included in the patent pending.

Foundation pillars: 9 pc. Fine adjustment in the floor if needed.

Mounting and striking time with a 5 men team: 2 – 4 hours, no need of special tools. A team premakes the corner and strutting points f. ex. of bricks.

Transportation in plywood boxes 1 500 mm x 3 000 mm x 900 mm, thickness of the plywood 15 mm. Weight with the box about 2 000 kg.

Cost

Need of material/house: heat treated spruce 3 m³, plywood 1.2 m³. Material of the locking elements 20 mm round steel. The house includes totally 288 log elements: 3 000 mm 121 pc, 1 800 mm 44 pc, 1 040 mm 40 pc and 275 mm 83 pc.

Price estimate for the material: VAT 0 %: planed, heat treated spruce 380 €/m³, plywood 400 €/m³. Material cost: logs and footing planks 1 200 €, plywood 1 500 €, transportation box 100 €, other 100 €, total 2 900 €.

Cost of labour depends on the volume, 200 – 400 €/house.

Production line

The ready planed materials are cut and cuttings are made in 10 pc bunches simultaneously. The grooves are made for the polycarbonate sheets and wind gaskets at the ends of the elements (where needed).

The basis production line of the logs: 7 machines, each theoretically 2 elements/sec. During an 8 hour working day 57 600 elements are made theoretically by a machine.

Its easy to produce door, floor parts, floor and footing planks. The machines needed are similar by their type, simple by their construction. Their need of energy is low.