

date: 10.12.2010



**Price for the elements suitable to build a cabin as  $\sim 104\text{m}^2$  is 44 500EUR ExW, Ääsmäe, EE, VAT 0,00%,.**

**Freight cost from Ääsmäe, EE- (...) EUR, VAT 0,00%, estimated  $\sim 2$  trucks.**

### **General**

1. All prefabricated elements shall constitute the entire length of the structure (max. 13,0m and max 3,0m high).
2. Vertically the house gables are divided as ground floor and "Hems".
3. Room height according to cross-section drawings.
4. All primerly paintings made by "Teknol 1881" or suitable similar.
5. Elements to be installed onto post type concrete foundation.
6. Thickness of the final floor is 15mm
7. Boxes and hoses (flexible PVC hose) to be installed according to electricity plan.
8. In moisture rich rooms (bad) is moisture resistant gypsum board.

### **• External and gable wall elements for the ground floor;**

#### **Materials:**

- Internal boards STV 12\*120mm, pine, see profile:  
<http://www.raitwood.ee/tootekataloog/profil.php?prid=31>; **to be mounted vertically**, not in BAD and BODs 1.4 and 3.2m<sup>2</sup>.

#### **Element:**

- Kraft paper for dust block
- PVC cord to support the wool.
- Wooden frame 45\*45mm, C16/C24, c/c600mm, **Horizontal** (electricity area).
  - Insulation, "ROCKWOOL", 50mm.
- OSB-3 board 10 mm, higher moisture resistance.
- PE folio 0,2mm, UV resistant
- Wooden frame 45\*145mm, spruce, grinded timber C16/C24, c/c600mm.
  - Insulation, "ROCKWOOL", 100+50mm.
- Gypsum board 9mm, higher moisture resistance, wind screen, nailed onto frame.

- TYVEK Solid from "DuPont", width 2800mm, reaches 100-200mm over the element on perimeter and 10-20mm on top of the windows external surface of the frame on window perimeter.

**Facade cover;**

- Battens 28\*70mm (vertical), c/c 600mm.
- Battens 28\*70mm (horizontal), c/c 600mm.
- External boards, **SPRUCE**, UYVk 21\*145mm, see profile: <http://www.raitwood.ee/tootekataloog/profiil.php?prid=66> ; overlapping 15-20mm, **mounted vertically**, roughened (fine saw), once primarily painted 4 sides, once painted 3 sides, TONE: White (NCS system), majority screwed onto the elements in the factory. Fastened with 65mm nail.

External window sills over and under the windows-metal sheet, pural cover, installation works on SITE (???). **Tone:** white (??? according to RAL system).

**Metal sheet "Z" profile on the facade below the gable walls:** pural cover, installation works on SITE (???). **Tone:** white (??? according to RAL system).

**External window reveals:** right and left of the windows, **SPRUCE**, HS (rectangular) 21\*~80mm, once primarily painted, once painted, **Tone: White ???** (NCS system), nailed to the elements on SITE.

**Boards around windows on the facade:** **SPRUCE**, HS 21\*120mm, once primarily painted, once painted, **Tone: white** (NCS system), nailed to the elements on SITE.

**Boards in corners of the house:** **SPRUCE**, HS 21\*95/120mm, once primarily painted, once painted, **Tone: white** (??? NCS system), as loose materials, to be mounted on SITE.

NB! Windows external surface is even with external surface of the gypsum board 9 mm as wind screen.

LDPE seal 16 mm between the window frame and the moisture resistant gypsum/wall frame on window perimeter + to be mounted on SITE for doors.

Mouse block: cold zinc wired mesh 0.6mm, cell size 6\*6mm.

• **Load bearing internal wall elements between the rooms;**

**Materials:**

- Internal boards 12\*120mm, pine, see profile: <http://www.raitwood.ee/tootekataloog/profiil.php?prid=31> ; **to be mounted vertically**, not in BAD and BODs 1.4 and 3.2m<sup>2</sup>.

**Element:**

- OSB-3 board 10mm, higher moisture resistance
- Wooden frame 45\*95mm, C16/C24, c/c 600mm.
  - Wooden frame 45\*95mm, C16/C24, c/c 600mm, Horizontal for fixing internal boards.
  - Insulation, "ROCKWOOL", 100mm.
- Kraft paper for wool dust block.

**Materials:**

- Internal boards 12\*120mm, pine, see profile: <http://www.raitwood.ee/tootekataloog/profiil.php?prid=31> ; **to be mounted vertically**, not in BAD and BODs 1.4 and 3.2m<sup>2</sup>.

• **Lightweight internal wall elements between the rooms;**

**Materials:**

- Internal boards 12\*120mm, pine, see profile: <http://www.raitwood.ee/tootekataloog/profiil.php?prid=31> ; **to be mounted vertically**.

**Element:**

- OSB-3 board 10mm, higher moisture resistance
- Wooden frame 45\*95mm, C16/C24, c/c 600mm.
  - Wooden frame 45\*95mm, C16/C24, c/c 600mm, Horizontal for fixing internal boards.
  - Insulation, "ROCKWOOL", 100mm.
- Kraft paper for wool dust block.

**Materials:**

- Internal boards 12\*120mm, pine, see profile: <http://www.raitwood.ee/tootekataloog/profiil.php?prid=31> ; **to be mounted vertically**.

• **Floor elements for the ground floor**

- Chipboard 22 mm, tongue and groove
- PE folio 0,2mm, UV resistant
- Wooden frame 45\*195/220mm, spruce, C16/C24, c/c600mm.
  - Insulation, "ROCKWOOL", 100+100mm.
- OSB-3 board 10 mm, higher moisture resistance
- TYVEK Solid from "DuPont", width 2800mm, reaches 300mm over the element on perimeter, overlappings taped and stapled.
- Mouse block: cold zinc wired mesh 0.6mm, cell size 6\*6mm, all over below the floor.
- Battens 28\*70mm, cc600mm, once primer painted, once painted.

• **Inserted ceiling panels / elements for the middle floor 27.2m<sup>2</sup>; Not in Soverom 6.8m<sup>2</sup>:**

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- Chipboard 22 mm, tongue and groove
- Wooden frame 45\*195/220mm, spruce, C16/C24, c/c600mm.
  - Insulation, "ROCKWOOL", 100mm.
- PVC cord to support the wool

**Materials for the ceiling:**

- Battens 28\*70mm, c/c 400mm
- Gypsum board 13 mm, standard.

• **Roof elements and materials for the ceiling. Snowload max. 350 kg/m<sup>2</sup>. Considered for metal sheet tile profile; Roof-ceiling all over the ground floor and hems.**

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**Materials:**

- Roof battens 21\*95mm, c/c ~350mm, considered for tile profile.

**Element:**

- Counter battens 18/21\*45/70, airgap on top of the underlayer.
- Roof underlayer, Tyvek Solid (from: "DuPont")
- Vent. battens 45\*95mm, c/c ~600mm.
- Chipboard 16mm, moisture resistant, on top of the rafters.
- Double rafters (connected with nailplates), 45\*195+195mm (390mm) c/c 600mm OR according to statical calculations. Height at least 390 mm.
  - Insulation, "ROCKWOOL", **400mm** (100+100+100mm (+100mm too fill the room between the rafters for disabling the airflow on top of the insulation)).
- PVC cord to support the wool

**Materials:**

- Vapour barrier plastic 0,2mm, UV resistant
- Battens 28\*70mm, c/c 400mm, for ceiling.
- Gypsum board 13 mm standard.
- EAVES boards (edge of the roof) HS 21\*95/120mm, **SPRUCE**, once primerly painted, once painted, **Tone: white (NCS system)**, loose materials, 3 boards on the eave overlapping 20-30 mm, + 1 board 21\*145mm on top of the eave.
- SOFFIT boards (ceiling of the eave) HS 20\*120mm, once primerly painted, once painted, **Tone: white (NCS system)**, loose materials.

• **Terrace elements; 58.5m<sup>2</sup>**

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**Element:**

- Terrace boards/panels PHL 28\*120mm, pine, deep impregnated, narrow grooves (rifled), brownish.
- Wooden balcony frame 45\*145/195mm, spruce, c/c 600, impregnated, Spruce.

**Element: simple design vertical boards 23 mm**

- Handrail 28\*120mm, once primer painted, once painted. **Tone: White ??? (NCS system)**
- Baanister, horizontal battens, once primer painted/impregnated. **Tone: ???.**
- Vertical boards simple design SH 21\*120mm,.
- Gluelaminated posts 200\*200mm, 19 pcs, smooth, once primerly painted, once painted, **Tone: white ???**

• **Windows;**

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- Windows from "Viking Window"; (see also <http://www.viking.ee/> ); U=1,1 W/m<sup>2</sup>K; Wooden frame, white painted; **Opening outside**; double glass 2\*4+4mm, **clear selective** glass packet 16 mm;
- Groove for the reveals inside, installation holes in the frame. Internal reveals for windows **not included**. According to specification.
- Windows are mounted into the elements in the factory. Sealed with mineral wool ribbon 20\*100 mm + LDPE seal on 3 sides of the window outside between the window frame and the wall.

- **External and balcony doors;**

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- External and balcony doors from "Viking Window" (see <http://www.viking.ee/et/tooted/uksed/>). Wooden framed, white painted; with lock-case and handle; no lock cylinder. Groove for the reveals inside, installation holes in the frame. Internal reveals for doors **not included**. According to the specification.

**NB! Doors are not mounted into the wall elements in the factory.**

- **Montage materials**

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- Laminated wooden beams and posts, pine/spruce.
- Pressure impregnated sills
- BMF metal joints
- Woollen seal between the elements,
- Hydroinsulation below the sills LDPE ribbon 100/150mm.

**The price includes the following:**

- Drawings (special montage drawings, general montage manual in English);
- PVC hoses 20 mm and boxes for electrical installation are installed into the walls. All the hoses go up to the ceiling where the cables shall be connected on the building site by Client. No tubes for ceiling area.
- Export transportation package. Elements are packed as one element per pack.

**The price does not include:**

- Architectural drawings, details and specifications. Unformal statical calculations. If formal statical calculations needed then cost is 1000EUR.
- Montage works and expenses on site (offered separately).
- Unloading works and crane expenses on site (to be offered separately).
- Drawings and specifications for special works.
- Special works (water, heating, sewerage, ventilation and electricity).
- Roof covering material and rainwater systems.
- Foundation and other concrete elements and works.
- Interior finishing materials, doors and works.
- Taxes in Norway.
- The price offer does not include VAT.