

Installation manual garage/storage

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Garage sales Harri Nokso

We would like to thank you for choosing puutalokymppi's element product as your garage/shed/storage

Here is common guide for you to install your garage yourself.

1. Installation of the bottom guiding bar.

When the foundation is fully dried (1-2 weeks), you can start the installation of your garage.

First you put the bitumen strip against your foundation block. On top of that you fix bottom guiding bar. (42x98,42x123; depending of the width of the garage). You fix the bar with 6mm rebar against the block. The bottom guiding bar is fixed 5mm out from your foundation (look at the element chart).

2. Installation of the elements.

The bottom guiding bar must match the chart of bottom guiding bars. Copy the element division to the bottom guiding bar (1199, 2398, 3598 jne.). Leave 2mm space between each element (picture no. 1) you can put thin seam in or polyurethane foam as sealent. It is best to start the installation from the corner (picture no. 2) for ex. elements AU-1 -> AU-2. Support the elements temporarily with slant boards (picture no 3). While doing the temporary supporting, make sure you confirm the linearity of elements with spirit level. Check also the element division, so that the measures of elements stay right. Always fix first elements to each others and then to the bottom guiding bar. If the extension of doorway is on wrong side, it is possible to change it to other side (fixing the screw, picture no 3).

3. Installation of the top guiding bar.

When the elements are fixed to each others, you can install top guiding bar 42x98/123 on the top of the elements (picture no 4). Fix it with nails or screws. It is preferred to fix nailing plate 2x60x200 with anchor nails 4x40 to the joint of corner- and partition wall element (picture no.5) Try to fix the nailing plate a little diagonally, so there will be enough space to fix the truss bracket.

4. Pillars and beams

You should fix the pillars so that they have a good contact to the beams. You have to notch the pillars to beams and finally confirm the joint with bracket. Top guiding bar is not needed on top of glue-laminated beams. On bottom of the pillar, there is about 22mm hole. Fix the threaded rod from foundation to the hole in the pillar.

5. Straightening the walls

The walls has to be straightened and supported with braces. Before supporting the walls, you have to measure cross measures from top of the panels. If the cross measurements is within 5-8mm, you can support the walls to each others as well as possible, and elements should be straight (picture no.7). If there is partition wall in your garage, you can use partition wall as temporary support point.

6. Fixing the roof trusses

Fix the rooftrusses in the middle of the joint between elements (cc 1200) Fix the cornerboards 2x60x200 with 4x40 anchor nails. Lift the rooftrusses to their places and nail the corner boards to the truss. The lower chord of the truss is appr 5mm shorter than the width of the elements in the garage. Leave appr 2mm gap to both of the trusses to the panelling (picture 7,8 and 9) Next you straighten and reef the trusses to each others. Look the reefing instruction from the construction

picture. Gable rooftrusses can be panelled already on ground before lifting up. (you have to consider the weight of truss, panel division and leave approx 20mm space for the metal sill board between top of the wall paneling and gable paneling (picture 6).

7. Roof brandering

First you install roof underlay on top of the roof trusses. You lay the roof underlay from bottom to top so that the edges will go on top of each other at least 150mm. When you finish the other slope with roof underlay, you fix the ribs 20x50 parallel to the upper chord. Nail the roof brandering according to roof material directions (normal division is approx 350mm). (Do read the instructions of the roof producer!) Usually the first space is a little smaller than the next one. You have to put wedges for wood (5-10mm) according to directions. You should measure the end eaves with steel sheet measurements, so there will be no necessary cuts in the steel sheets. In the guide the end eaves measurement is approx 400mm (picture 10).

8. Joint boards, corner boards and underboards for eaves

A 20x120 and 20x145 boards come to the corners. To the joints of elements you put 20x120 board. If necessary, you can put a cover board 20x120 to top of the element boarding and truss. You notch the boards to fit the trusses. The end eaves is made from 20x120 and 20x145 boards (picture 10). Underboards for eaves come from 20x120 boards.

9. Fixing the door

Fix the warehouse door with screws 5x90.
There is separate installation manual for garage door.

10. Finishing

Ridge plate, end plates, ridge gasgets, pass-throughs etc. according to roof directions manual. You should paint the external cladding at the latest 8 months from installation of your garage. If it will be done later, the air pollution can cause fungus and mold on the top of the external cladding.

NOTE! These directions are very indicative, and unfortunately don't fit to all models.

Kauhajoki 1.1.2018 Harri Nokso



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Autotallin kokoaminen



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