

# GENERAL ASSEMBLY INSTRUCTIONS FOR ALL LOG CABINS WITH A GABLE ROOF

This brochure has been compiled for all our log cabins with gable roofs.  
The numbers and shapes may differ from the  
log cabin you have purchased.



## **GENERAL ASSEMBLY INSTRUCTIONS FOR LOG CABINS WITH GABLE ROOFS**

Congratulations on the purchase of your log cabin.

If you read the assembly instructions carefully, you will enjoy your purchase for many years to come.

### **IMPORTANT!**

Before you start assembly, we would like to give you some important information that deserves your attention.

**A** You have purchased a log cabin made from an untreated natural product. The wood still needs to be treated to ensure a long lifespan. It is best to seek advice from a specialist in the field when choosing your treatment product and maintaining your log cabin. Only use products that penetrate the wood and protect it against moisture, wind and weather, as well as insects and fungi. Do not use products that are so viscous that they prevent a good connection between the tongue and groove and the corner joints. You only have the opportunity to treat the tongue and groove **before** assembly. It is very important **to treat all parts on all sides**. This means you must also treat **the inside** of the log cabin.

**B** It is best to install a waterproof concrete base that is 10 cm larger than the outer dimensions of the log cabin. It is extremely important that your log cabin is level and remains so. Please note that if your structure does not remain stable after installation, gaps and deformations may occur in the log cabin. Ensure that ground moisture and other moisture cannot penetrate the wood by providing adequate ventilation of the log cabin and treating **the inside of** the log cabin against moisture. The bottom logs of your log cabin deserve extra attention, as they will be most exposed to water. Therefore, treat them with extra care. Seal the joint between the log cabin and its base with silicone (not included). Anchor your log cabin to its base (e.g. with L-brackets, not included) to protect it from stormy weather.

**C** "Wood lives", a saying that also applies to your purchase. In concrete terms, this means that the height of the log cabin varies depending on the humidity. If you install vertical or horizontal structures (e.g. shelves, electrical wiring, storm braces, etc.), you must ensure that you do not impede this natural movement of the wood. If you connect the wood vertically in certain places, gaps will appear between your logs during periods of low humidity, often resulting in deformation of the log cabin. Do not be alarmed if you notice a gap above the door and window during the assembly of your log cabin. These are designed to accommodate shrinkage and expansion. We supply matching cover strips to conceal this gap.

**D** Remove the parts of your log cabin from the packaging two days before assembly. This will allow the wood to acclimatise to the humidity. Place the logs slightly apart, sheltered from rain and sun. Now carry out a full check using the enclosed parts list. Complaints about materials will not be accepted if the parts have been painted. Complaints must be submitted to us no later than 8 days after delivery.

**E** Wood is a natural product. This means that slight variations may occur. What are **acceptable** variations?

- Knots,
- Fallen knots no larger than a thumb,
- Fallen knots or slight damage to the edges (tongue and groove) if coverage is guaranteed during assembly,
- Discolouration in the wood,
- Straight cracks that do not split the log, splitting cracks that are no longer than 12 cm,
- Resin pockets of max. 5 cm,
- Wood that is slightly bowed, if assembly is still possible (the pressure of the roof will usually keep the log straight).

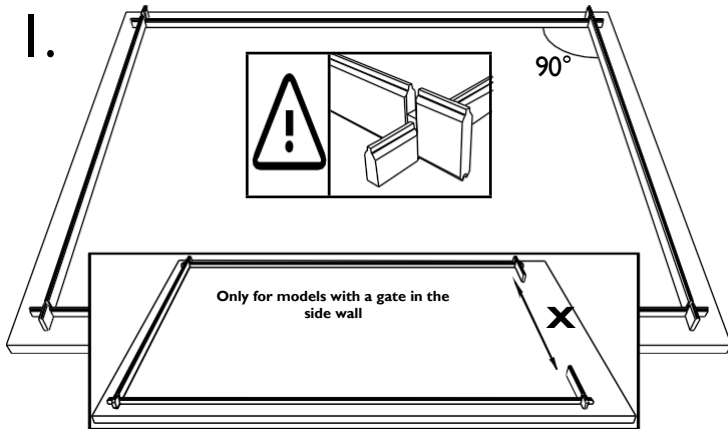
**F** Ensure that your log cabin is **anchored** to its base (e.g. L-brackets, not included). Also ensure that you have effective vertical storm bracing that takes into account the tips mentioned in point C "Wood lives". Gardenas dealers sell our special storm bracing products.

**G** Do not use nails or screws when assembling the walls. The pressure of the roof with the storm bracing will ensure that your log cabin remains standing.  
To prevent splitting, we recommend that you pre-drill with a drill bit that has a smaller diameter than the diameter of the screw.

**H** If a part is damaged during assembly, or are you having trouble figuring it out?  
Our after-sales service is at your disposal:

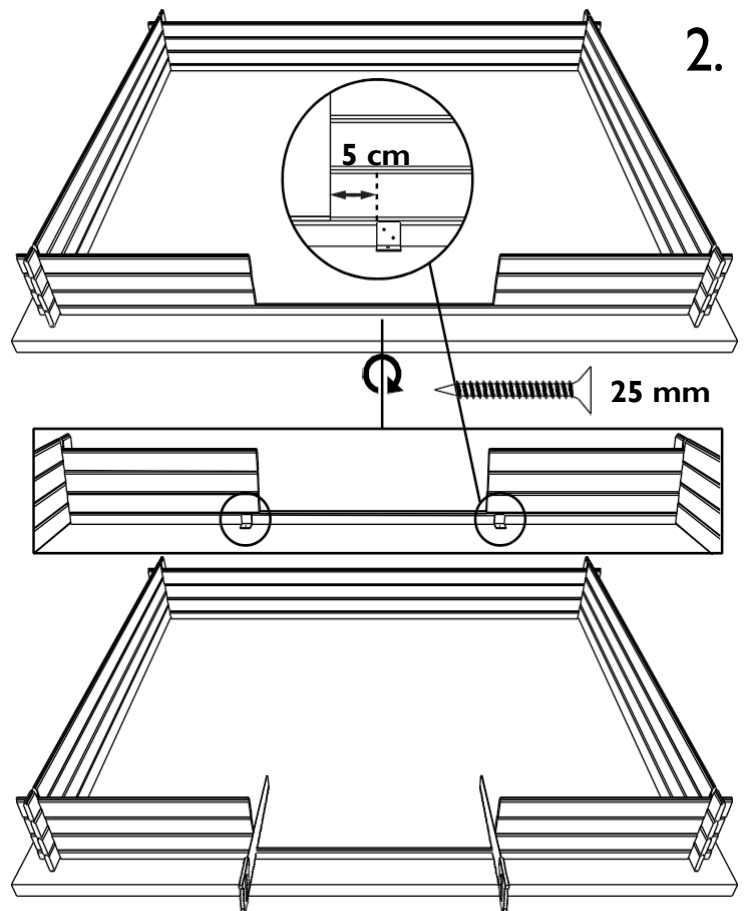
- during office hours by telephone: +32 (0)52 21 95 71
- by fax: +32 (0)52 22 09 03 or
- by e-mail [info@gardenas.be](mailto:info@gardenas.be)
- If you notice any damage to the package, please let us know within 48 hours.

After you have checked the accompanying parts list **and** all parts **are treated**, you can start assembling.  
 What do you need? A saw, a protractor, a piece of auxiliary wood, a screwdriver (preferably battery-powered or electric), 2 ladders, a rubber mallet, a drill, a set of spanners, silicone. You will need at least 3 adults to assemble the furniture.  
 Keep children away during assembly.

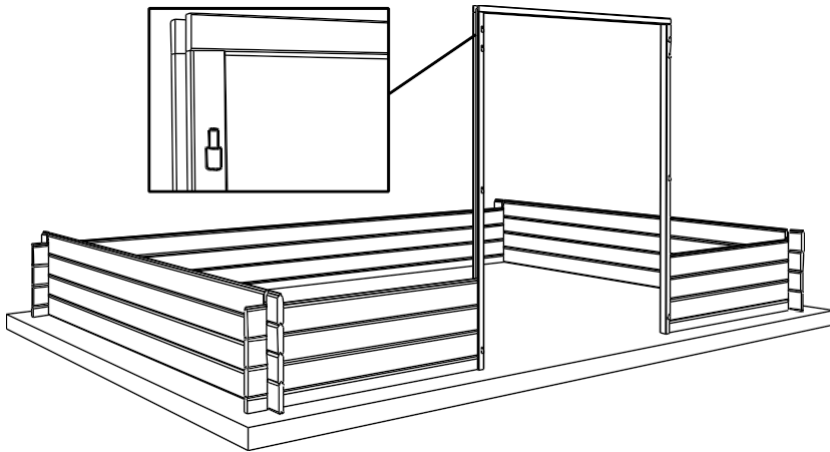


Ensure that you immediately achieve a 90° angle in your corner joint. The tongue should be at the top. The bottom log in the front and rear walls is a half board with only a tongue, while the bottom log of the side wall has a tongue and groove. Ensure that the logs rest firmly on the ground. **Caution! For models with a gate in the side wall (e.g. garage):** respect the door opening dimensions X as indicated on the floor plan (see parts list). Check that everything is square. To keep your log cabin square that everything is square. To keep your log cabin stable, you must anchor the bottom logs to the ground on both sides, 10 cm from the gate opening and on the inside, using an L-brackets (plugs not included).

Continue building the log cabin as indicated on the wall drawings in the parts list up to 3 logs high. If the door in your model is not centred, you can choose which side to place it on. Use a hammer to ensure the logs fit together tightly. However, never strike the wood directly (damage to the tongue can make assembly more difficult), but strike a piece of auxiliary wood or use a rubber mallet. To keep your log cabin square, you need to anchor the front bottom log to the ground on both sides, 5 cm from the door opening and on the inside, using an L-bracket (plugs not included). Now saw the front log to the ground level as shown in the drawing (level with the already built parts next to the door opening). The piece you saw off is waste.

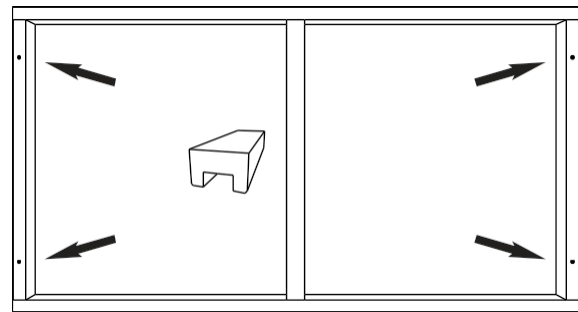
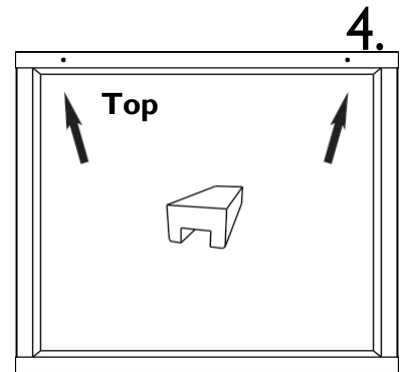
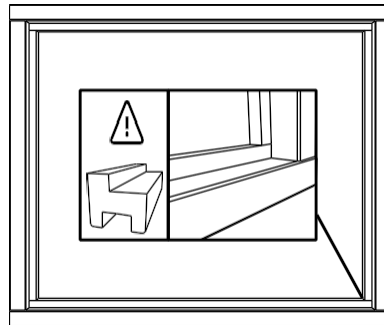


3.

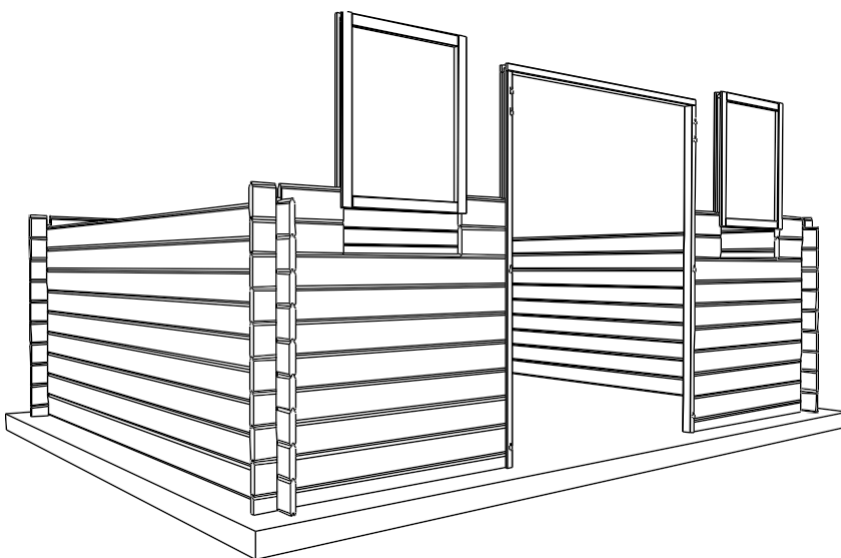


Screw the hinge pin (male part of the hinges) into the pre-drilled vertical jambs (only the left jamb for single door models). Lower the door frame (3 parts still to assemble) into the opening. Make sure that the door opens outwards. **Secure your frame to the log cabin only at the bottom with a screw. At the top, screw the horizontal jamb to the vertical jamb, never to the log cabin itself** (see tips and advice 'wood lives'). It is best to finish the door once the log cabin is fully assembled.

Depending on the model, there are different types of windows: opening and/or fixed. Some models do not have windows. Please note that the opening windows open outwards. Study the drawings carefully. For fixed windows, the plexiglass is always on the inside. For double windows, first mount the windows on the frame, making sure that you mount the window in the correct direction (top/bottom) in the opening!

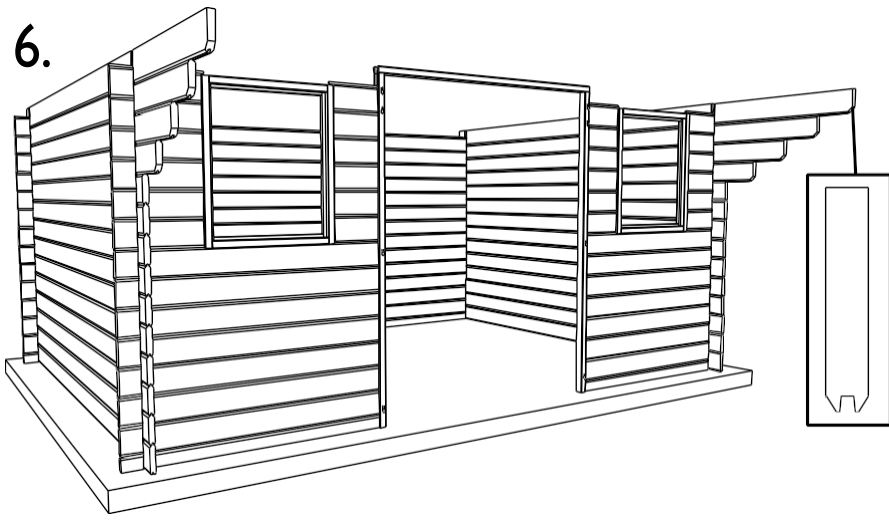


5.



Continue building according to the plans provided (see detailed parts list) until you reach the height of the bottom of the window. Now add two more layers. If the model has a window in the side wall, you can choose whether to place the window in the left or right wall. Lower the window frame into the opening. It is best to finish the opening windows (depending on the model) once the log cabin is fully assembled. **Do not attach your frame to your log cabin with screws or nails! ('Wood lives').**

6.

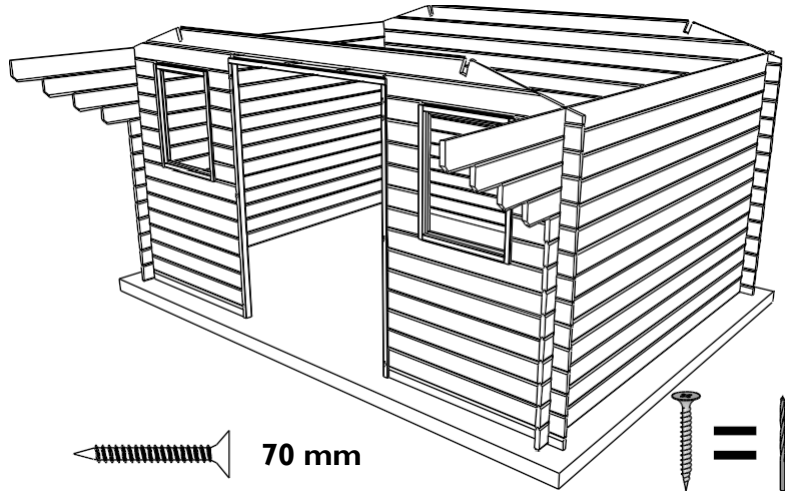


Continue building as indicated on the wall drawings in the parts list, until you only have to place the gable. The top log has no tongue, only a groove; it is in other words, flat at the top.

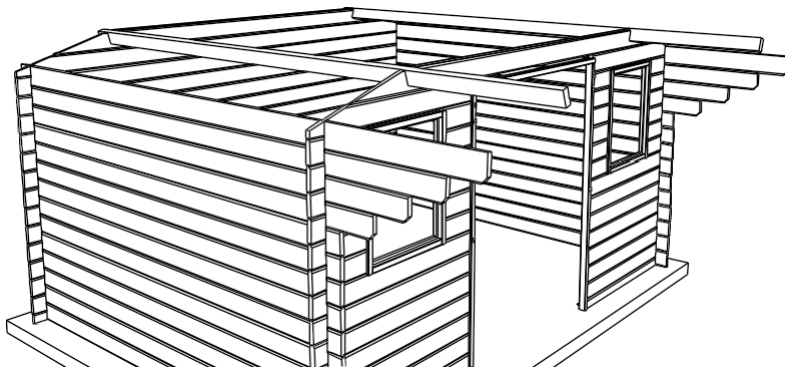
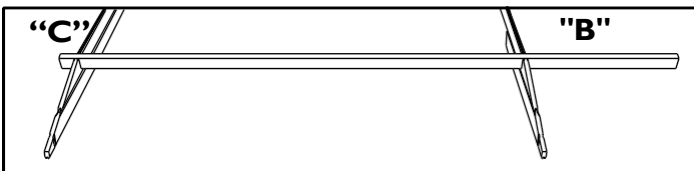
Your package contains 2 gables that still need to be assembled back. **Please note: the front gable differs from the rear gable.** Start assembling at the bottom and work your way up to the first cutout. **Caution: to mount the door(s) correctly later, ensure the door opening width (without frame) and the interior dimensions of the log cabin match the measurements on the floor plan in the detailed parts list, both at the bottom and top.**

Use 70 mm screws to anchor the parts together. Ensure nicely sloped edges. You will notice a gap above the door frame and window(s). This is normal and necessary. Your log cabin will vary in height depending on the humidity. This gap serves to accommodate this phenomenon. You will later seal these gaps with the supplied SRD cover strips.

7.



8.

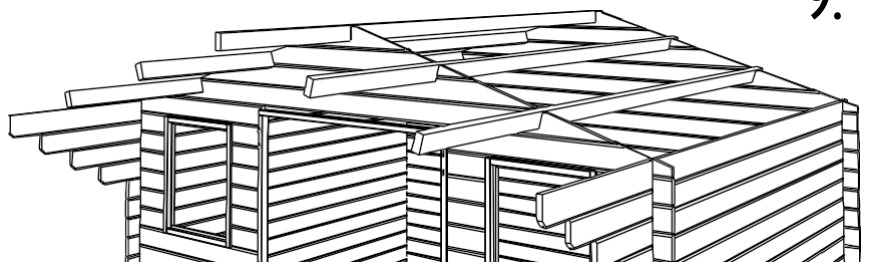


Place the rafters in the cutouts of the gables. Check the parts list to see how far the rafters protrude from the front and rear of the gable (dimensions 'B' and 'C'). Screw each rafter to the gable.



9.

Continue finishing the gables. To do this, repeat steps 7 and 8 until you reach the ridge beam, then install this as well. (The number of rafters in your log cabin may differ from the drawing).



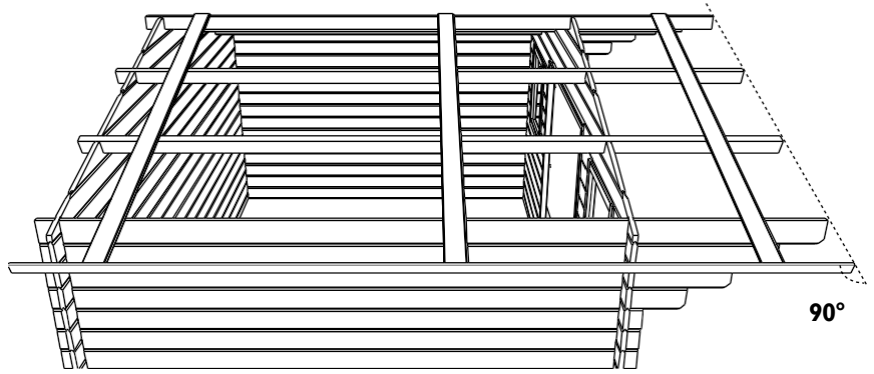
Finish both roof sides separately.

Place three temporary roof boards, one in the middle of the ridge beam and the other two approximately 50 cm from the ends. Ensure that the roof boards are positioned halfway across the width of the ridge beam. Nail them down lightly so they can be adjusted later.

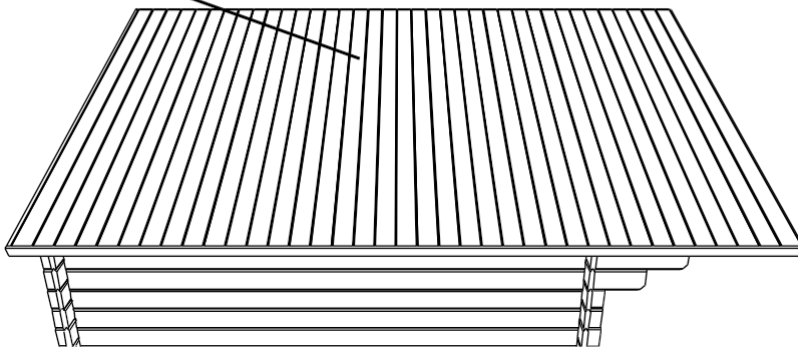
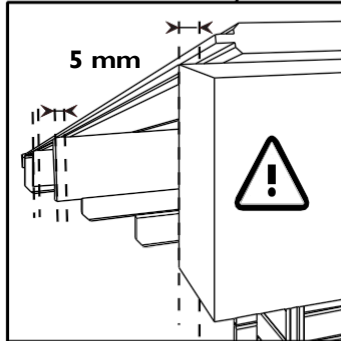
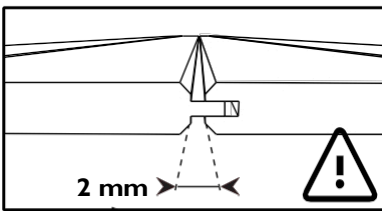
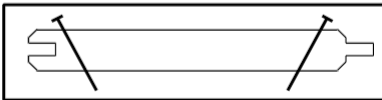
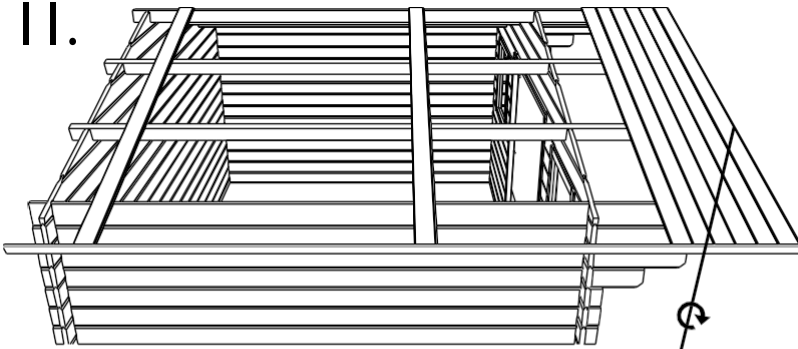
Make sure the overhang of the roof board on the side is equal at the front, in the middle and at the rear.

Now attach the side trim batten (ZSL). This should protrude as far at the front as the rafters P.

Nail it lightly as well. This ZSL serves as an alignment for the roof boards. (On some models, the ZSL battens come in several pieces; place 3 temporary roof boards per ZSL).



11.



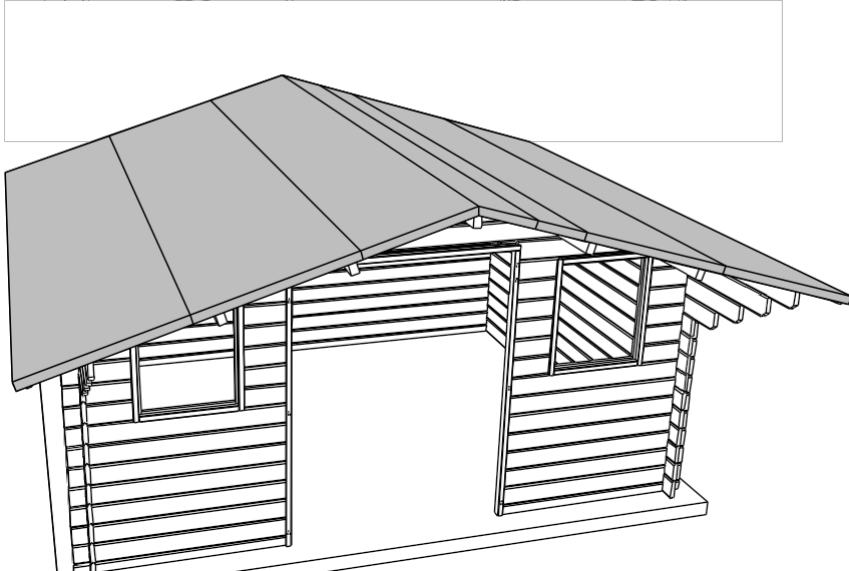
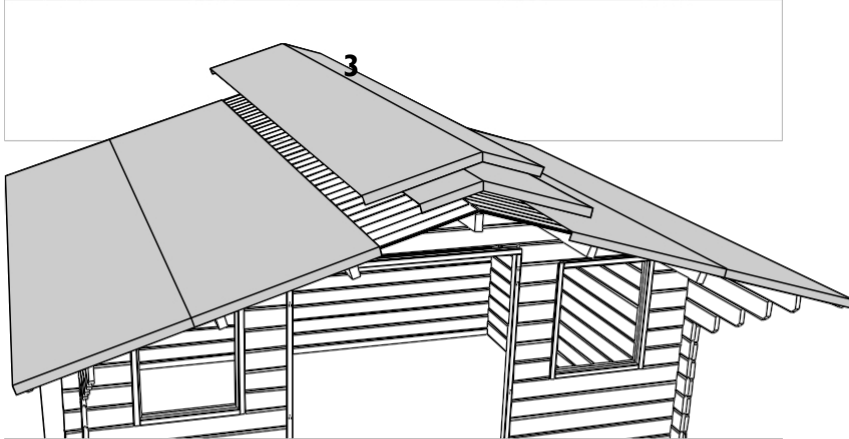
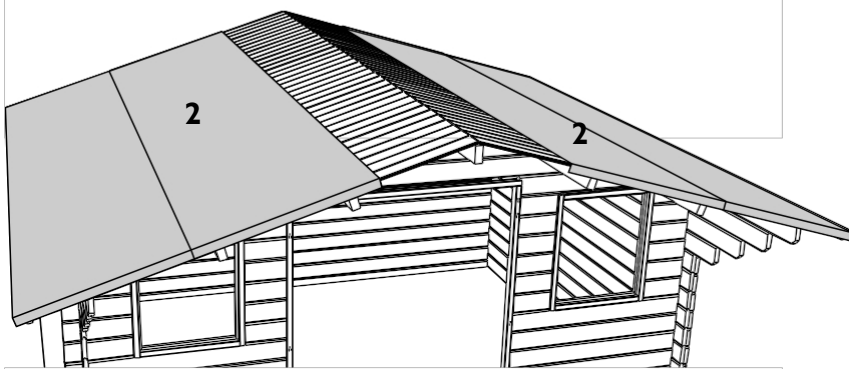
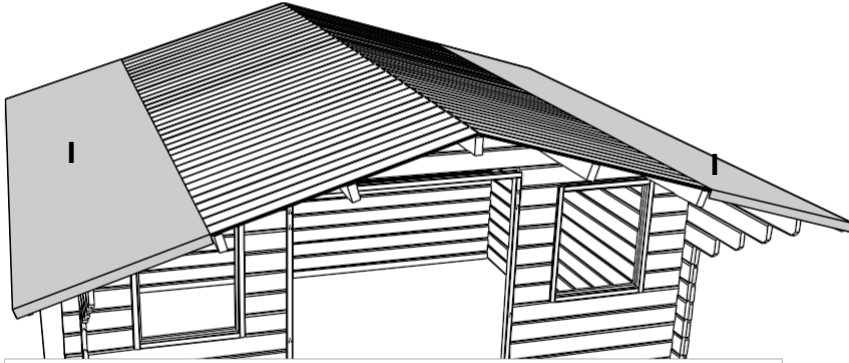
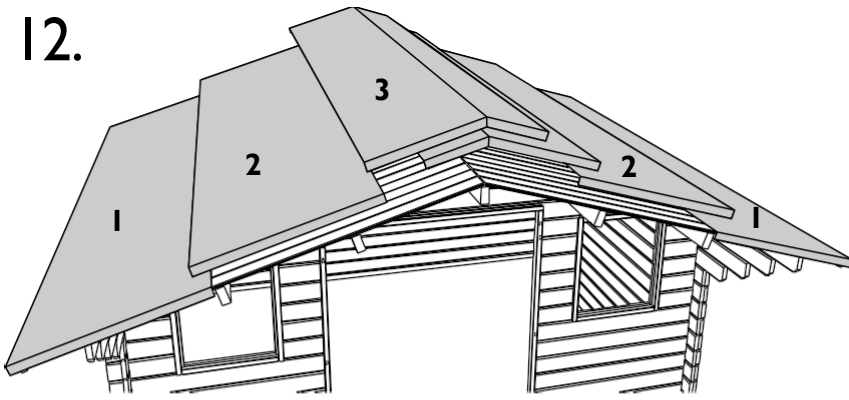
Place the first roof board at the front with the tongue facing you (the tongue should point towards the front of the log cabin). Ensure that the first roof board is placed 5 mm deeper than the front of the rafters (this 5 mm serves as an expansion gap). Nail the roof boards twice on each rafter and on the side wall. Always nail as close as possible to the outer edge of the roof board, without touching the groove or tongue, so that you can connect the next roof board. Also nail to the side trim batten (ZSL).

Now attach the second roof board (nail twice on each rafter and on the side wall) and continue working towards the rear, using the side trim batten (ZSL) as an alignment guide.

**CAUTION!** Do not fit the roof boards too tightly, so that there is sufficient space for the boards to expand and contract ('wood lives'). Ensure that the tongue and groove of the roof boards are fitted together, but in such a way that the wood still has approximately 2 mm of space to move (you can still see 2 mm of the tongue).

When you reach the first temporary roof board, remove it and reposition it. Nail every 4 roof boards to the side trim batten (ZSL). Continue working until you reach the rear of the log cabin. It is possible that the rear will not fit perfectly against the rear of the rafters. Saw the last batten lengthwise, again remembering to leave a 5 mm expansion gap. Finally, saw the ZSL at the rear to length. Now finish the other side of the roof in the same way.

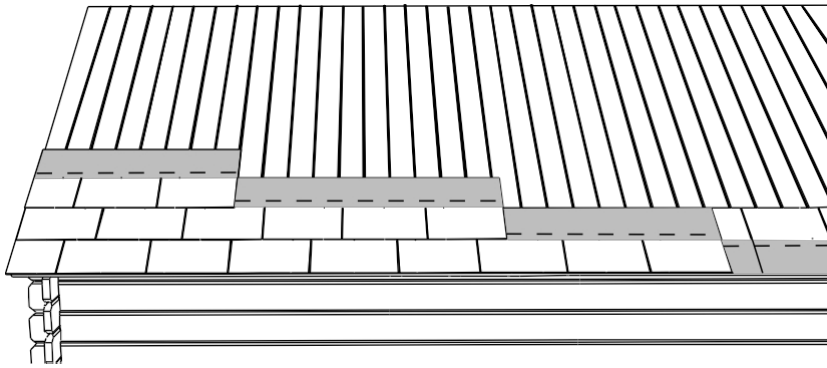
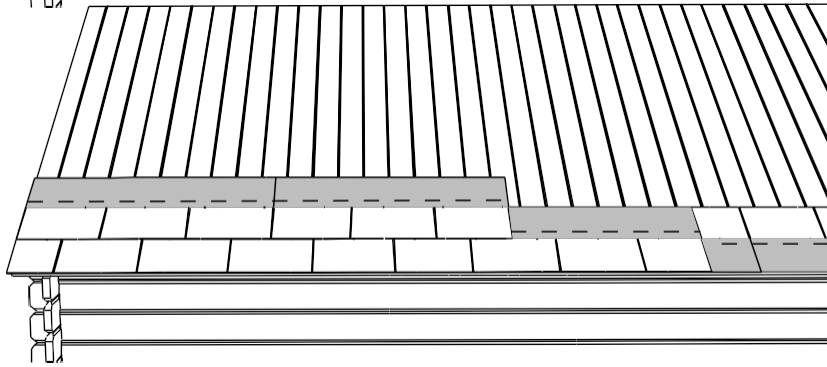
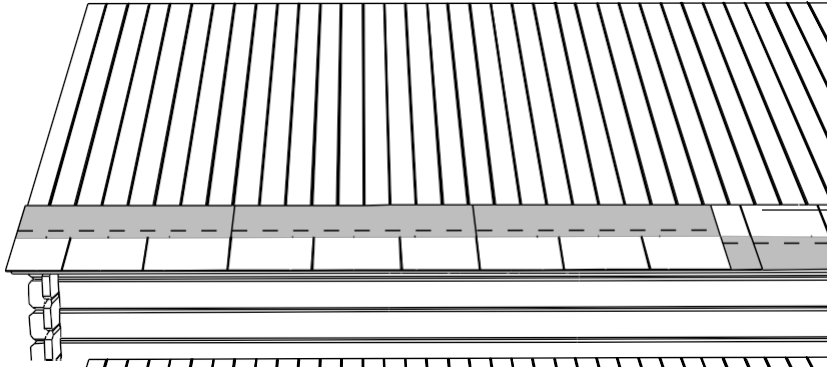
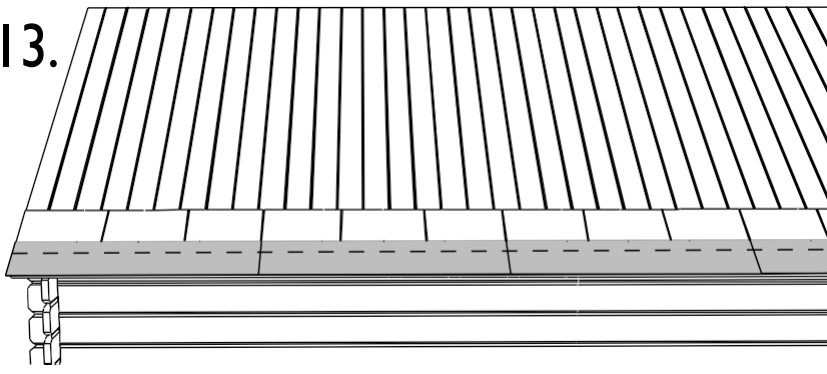
12.



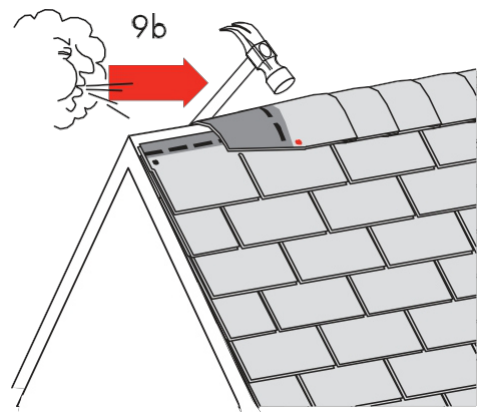
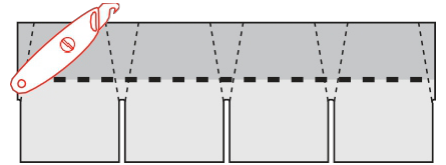
If you purchased a gutter set, install it on the ZSL now. For models with shingles, refer to step 13. For roofing materials not supplied, consult your supplier, noting the roofs are designed for a maximum load of 50 kg/m<sup>2</sup>. **For log cabins with roofing felt, you will need to cut the rolls of roofing felt to size (length) (see the parts list for the correct length).** Only install roofing at temperatures above 15°C. If necessary, you can store the roofing in a heated room until you need it. Nail with shingle nails every 10 to 15 cm at the top and bottom of the sheet. Do not nail too deep, otherwise you risk water infiltration, but do nail flush with the roofing. In areas with strong winds, you should reinforce the roofing by using cold roofing adhesive (not supplied). It is not advisable to torch the roofing, as the wooden roof structure is flammable.

To install the roofing sheets, start at the bottom (in the depth direction, towards the ridge line) and work your way up. Let the bottom sheet overhang slightly the ZSL, and bend the roofing 5 cm over at the front and rear. Apply the next strips and ensure that you have sufficient overlap with the previous strip (you should distribute the sheets symmetrically across the roof slope). Again, ensure that the roofing folds over 5 cm at the front and rear. The roofing sheets that cross the roof ridge should overlap each other beyond the roof ridge. Depending on the model purchased, the number of sheets may differ from the drawings.

13.

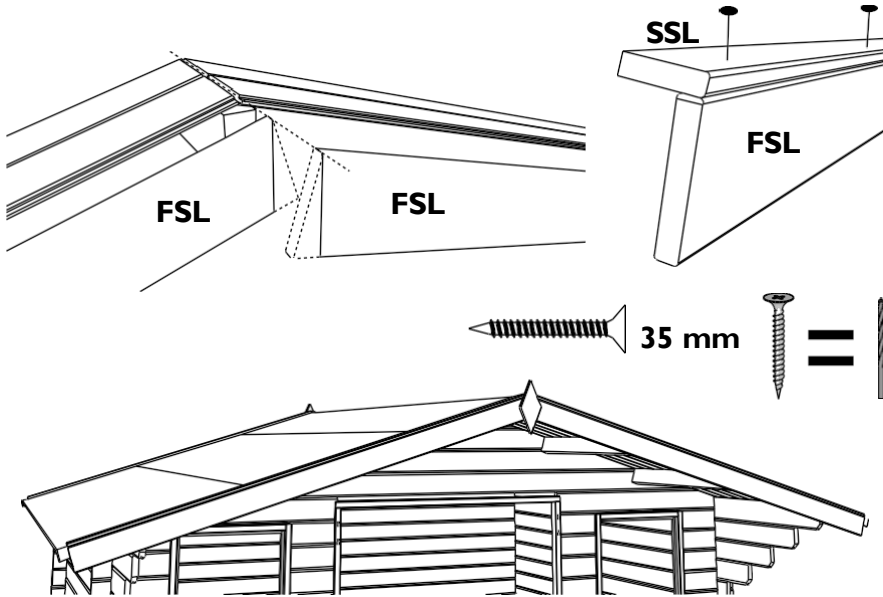


To install the shingles, start at the bottom and work your way up. Lay the first row of shingles with the cutouts facing upwards. Allow this first row to extend 3 cm beyond the edge of the roof. Nail this row at both the top and bottom, using 4 shingle nails per shingle. Lay the next layers with the cutouts facing downwards. Nail 4 nails into the top of each shingle. The second layer should completely cover the first, but make sure that the cutouts are staggered. For the third layer, stagger the cutouts again. Continue in this way until you reach the top of the ridge line. At the front and rear of each row, cut the shingles flush with the roof boards. Use a utility knife for this. If this piece of waste is larger than 1 tab, you can use it to start the next layer. If you are installing the shingles in cold weather, you should glue them with cold adhesive. The shingles will only adhere properly in warm weather (see packaging).



To cover the ridge, cut the shingles diagonally into pieces as shown in the drawing on the packaging. Then lay these pieces on top of each other so that they overlap. Take the direction of the wind into account when determining the direction of the overlap. Nail with two nails at the point where the next piece will overlap.

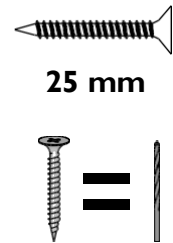
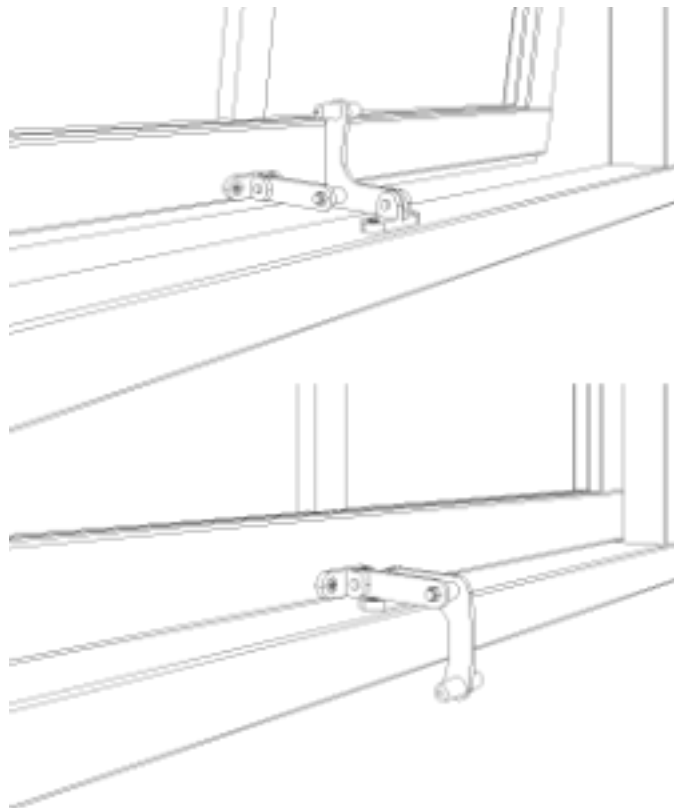
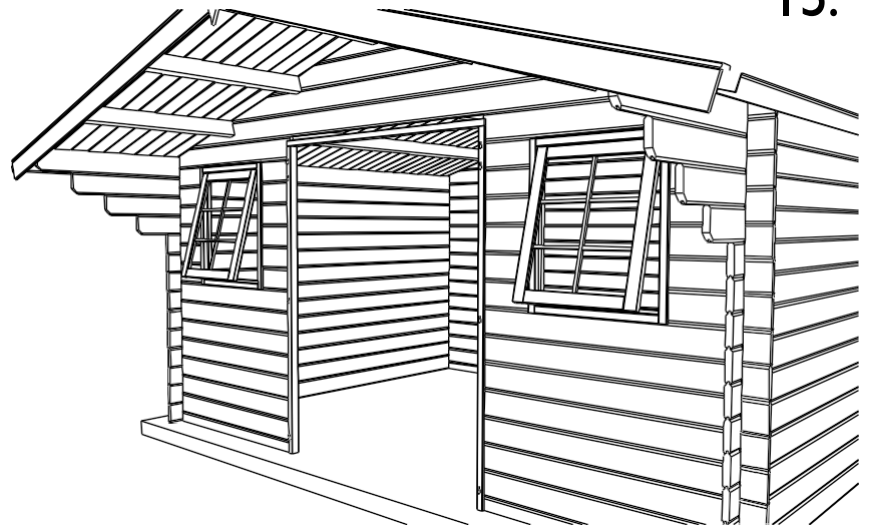
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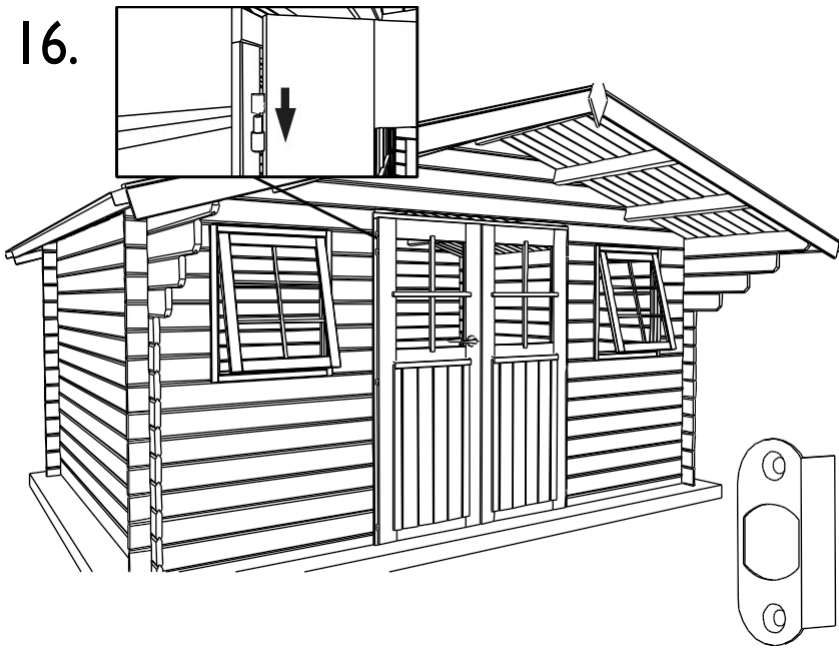
The roof still needs to be finished with trim battens at the front and rear. Miter-cut the supplied front trim battens for a neat joint at the ridge. Apply the storm battens (SSL) on top of the FSL. You now have an L-shape to secure to the rafters (roofing felt sits between the rafters and the L-shape). Also attach to the overhang and the ZSL. To finish, attach the diamond finial where the trim battens meet. Seal the gap between the roofing felt or shingles and SSL battens with silicone (not included).

15.

The opening windows open outwards. Some models have no opening windows or only one. Single windows have hinges at the top, i.e. the window swings outwards at the bottom. Attach the window stays at the bottom. Mount one leg on the frame and the other on the window itself (drawings on the left); for the black model, follow the drawings on the right. Double windows have hinges on the side; mount the handles on the window. Secure the window muntins with 25 mm screws.



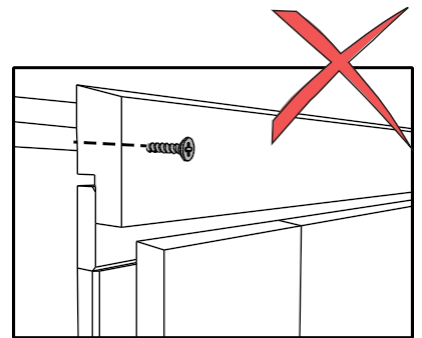
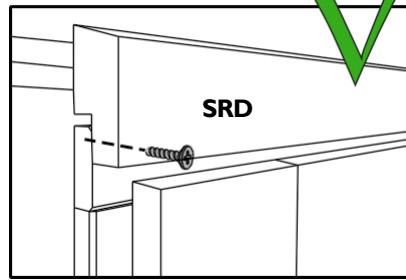
16.



Now fit the doors using the supplied hinges. Screw the hinge knuckle (female part of the hinges) into the door and hang it up. By turning the hinges in or out, you can position the door leaves until they hang straight. Please refer to the manual for the lock for instructions on installing the handle. For a single door, you only need to drill the hole in the stile. To do this, position and install the separately supplied angle plate (see drawing) and drill out the wood with a thick drill bit. Also replace the lock plate that comes with the handle with the separately supplied angle plate for double doors.

For models with a gate in the side wall, e.g. garage, please refer to point 16bis in the parts list.

Finally, all you need to do is fit the cover battens above the window and door. Fit the SRD trim batten inside and outside on top of the door frame. This serves to conceal the opening at the top while the wood is settling (cf. 'wood lives'). Secure with 25 mm screws **on the frame**.

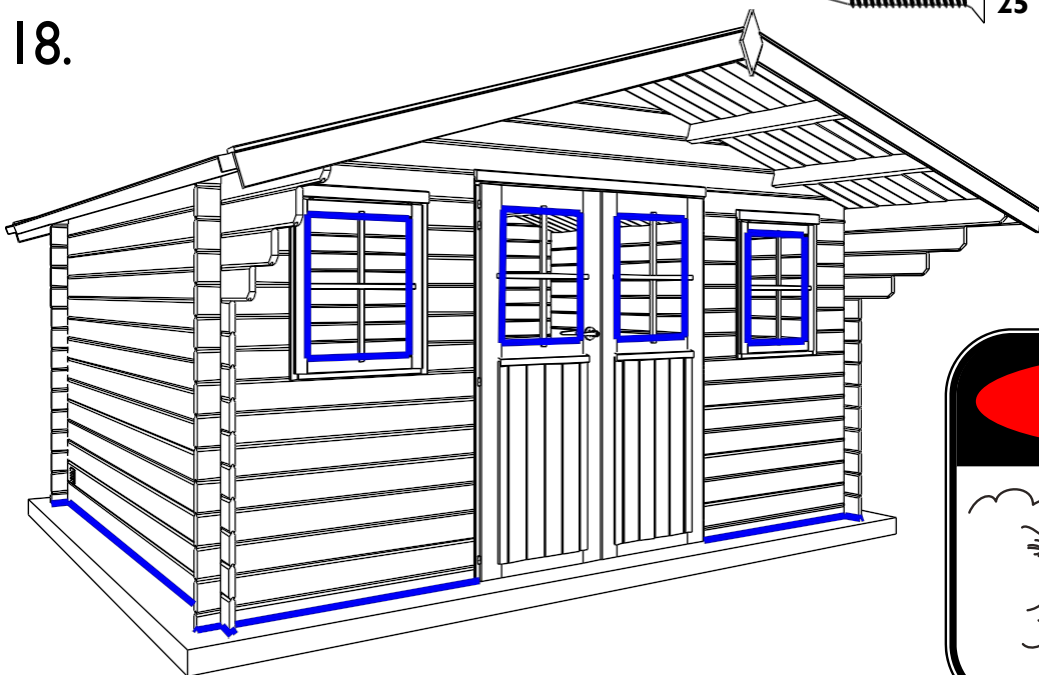


17.

25 mm



18.



Seal the following items with silicone (not included):

- The joint between the log cabin and its base on the outside,
- Around the glass.

**DANGER**



Protect your purchase against stormy weather!  
Buy the Gardenas storm protection kit.



To make your log cabin storm-resistant, you will need to install storm bracing. This connects the roof and walls to the base. So make sure it is properly secured to the ground. Always ensure that you do not obstruct vertical shrinkage and expansion (see 'wood lives'). Gardenas dealers sell our standard storm bracing. An alternative is to attach a screw to both the top and bottom logs and stretch a nylon cord between them. In any case, you must ensure that the force of the storm bracing does not cause the wall to bulge. If this is the case, you must adjust the bracing.

**Maintenance:** water, wind, snow and sun are the main enemies of your log cabin. Ask a specialist for advice if you have any questions about products, timing, etc. for treatment.

Product liability applies only if the log cabin has been assembled in full compliance with these assembly instructions.

## **WARRANTY**

The product is made of wood, a natural product that, due to its outdoor placement, will continue to "live" and therefore requires ongoing attention. Assembly, treatment and anchoring will be carried out by or on behalf of the customer. Gardenas is therefore responsible for and provides a warranty on the product and its components themselves, but not for the consequences of incorrect assembly, missing or inadequate anchoring, or incorrect or inadequate maintenance.

### **How long?**

Unless otherwise stated, Gardenas offers a 5-year warranty on its products. Fittings and roofing are covered by a 2-year warranty. Products sold as pressure-impregnated are covered by an extended 10-year warranty against rot, mould and insect damage to the wooden parts.

The warranty period starts from the date of purchase.

### **What is covered by the warranty?**

- The structural design of the product for safe and normal use.
- The correctness of the parts in terms of quantity and shape upon delivery. Any deviations must be reported no later than 14 days after delivery.
- The warranty is limited to the replacement of defective, damaged or unusable parts.

### **What is not covered by the warranty?**

- Costs of (re)installation, production, assembly, treatment.
- Parts that are no longer in their original condition.
- Defective parts that were installed anyway.
- Minor deviations from the natural material, whether or not specified in the manual, which do not compromise the stability and expected lifespan of the product (e.g. knots, cracks, discolouration, slight deformations that can be assembled and will have no impact after assembly or will be invisible after assembly, etc.).
- Damage, deformations or defects resulting from ignoring to strictly follow the advice and instructions in the product manual and/or incorrect or careless use of the product, as well as damage caused by poor foundations.
- Damage and degradation and their consequences due to inadequate treatment of the product.
- Damage caused during transport and storage, whether or not due to extreme humidity, if transport and storage were not carried out under Gardenas' management.
- Damage caused by third parties, animals, insects (except if the product was delivered pressure-impregnated) and termites.
- Natural ageing or discolouration of the product.
- Damage caused by a roof load (e.g. snow) of more than 50 kg/m<sup>2</sup>.
- Direct or indirect damage to items and materials stored in or under the product.
- Consequences of force majeure: storms, natural disasters, floods, vandalism, etc.

### **Parts availability and delivery**

Gardenas guarantees the availability of all parts or a valid alternative for each part for up to 5 years after purchase of the product, regardless of whether the part is still under warranty or not.

Gardenas will make every effort to provide any replacement parts as quickly as reasonably possible. Gardenas will deliver the parts in the same manner and to the same location as it delivered the original product.