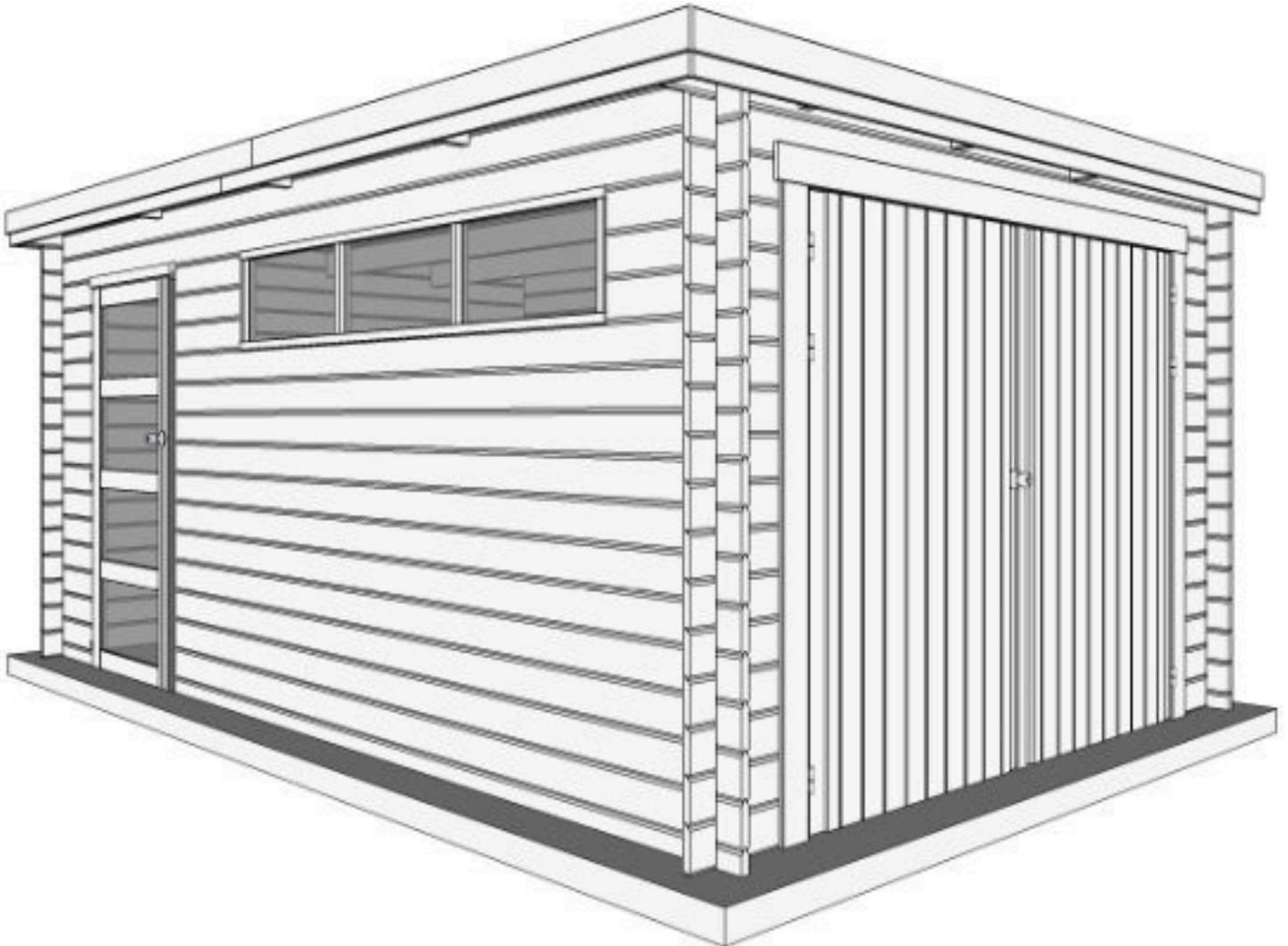


GENERAL ASSEMBLY INSTRUCTIONS FOR GARAGE WITH A PITCHED ROOF AND STEEL SHEET

EDM04

This brochure has been compiled for all our garages with a steel sheet pitched roof.
The quantities and shapes may differ from the garage you have purchased.



GARDENAS

TIMBER GARDEN CONSTRUCTIONS

GENERAL ASSEMBLY INSTRUCTIONS FOR GARAGE WITH STEEL SHEET PITCHED ROOF

Congratulations on the purchase of your garage.

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 deserve your attention.

A You have purchased a garage made from an untreated natural product. The wood still needs to be treated to ensure a long service life. It is best to seek guidance from a specialist in the field when choosing your treatment product and for the maintenance of your garage. Use only products that penetrate the wood and protect it against moisture, wind and weather, as well as against insects and mould. Do not use products that are so viscous that they prevent a good fit 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**. You must therefore also treat **the inside of the garage**.

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

C "Wood lives" – a saying that also applies to your purchase. In practical terms, this means that the height of the garage will vary depending on the humidity. If you install vertical or horizontal structures (e.g. shelving, 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 garage. Furthermore, do not be alarmed if you notice a gap above the door and window during the assembly of your garage. These gaps are specifically designed to accommodate shrinkage and expansion. We supply matching cover strips to conceal this gap.

D Remove the parts of your garage from their packaging two days before assembly. This allows 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 regarding materials will not be accepted if the parts have been painted. Complaints must reach 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 no longer than 12 cm,
- Resin pockets of up to 5 cm,
- Wood that is slightly bowed, if assembly remains possible (the pressure from the roof will usually keep the log straight).

F Make sure to **anchor** your garage to its base (e.g. using L-brackets, not included). Also ensure you have effective vertical storm bracing that takes into account the advice given in section C, 'Wood lives'. Gardenas dealers sell our special storm bracing kits.

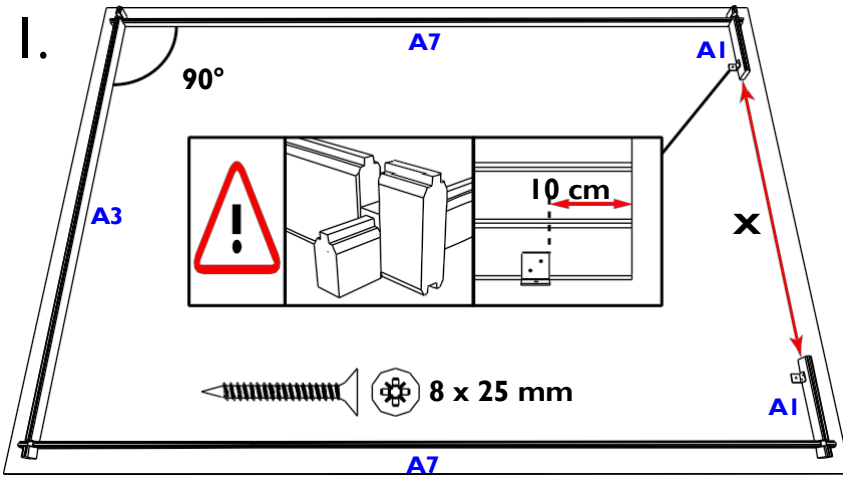
G When assembling the walls, do not use nails or screws. The pressure from the roof, combined with the storm bracing, will ensure that your garage remains standing.

To prevent splitting, we recommend pre-drilling with a drill bit whose diameter is smaller than that of the screw.

H If a part of the structure is damaged, or if you're 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 email info@gardenas.be
- if you notice any damage to the parcel, please let us know within 48 hours.

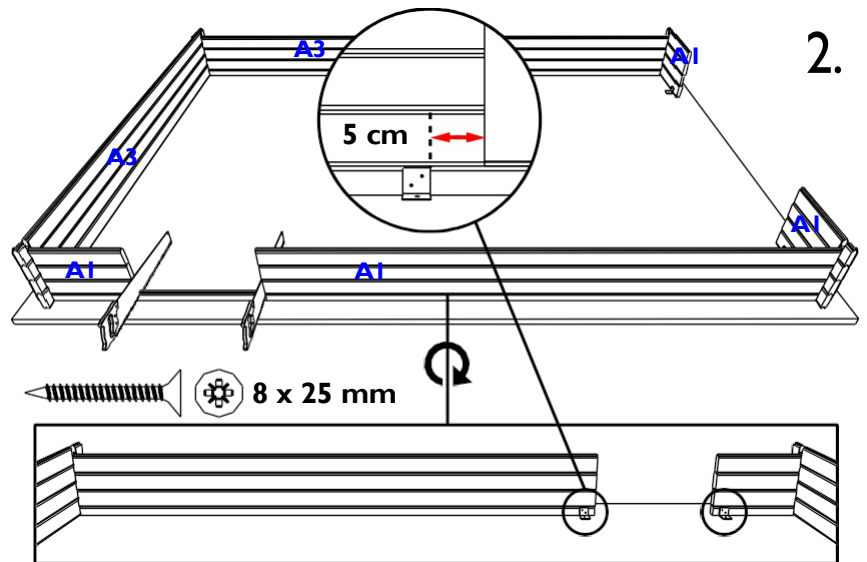
Once you have checked the accompanying parts list **and** all parts **are treated**, you can start assembling. What do you need? A saw, a protractor, a piece of auxiliary wood, a screwdriver (preferably battery-powered or electric), 2 ladders, a rubber mallet, a drill, a set of spanners, silicone. At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



Ensure 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 batten with only a tongue; the bottom log of the side wall has tongue and groove. Ensure that the logs rest firmly on the ground. Adhere to the door opening dimensions X as indicated on the floor plan (see parts list). Check that everything is square.

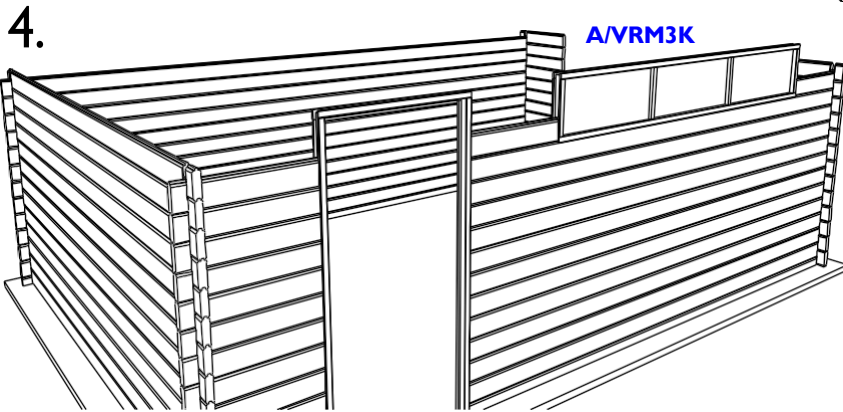
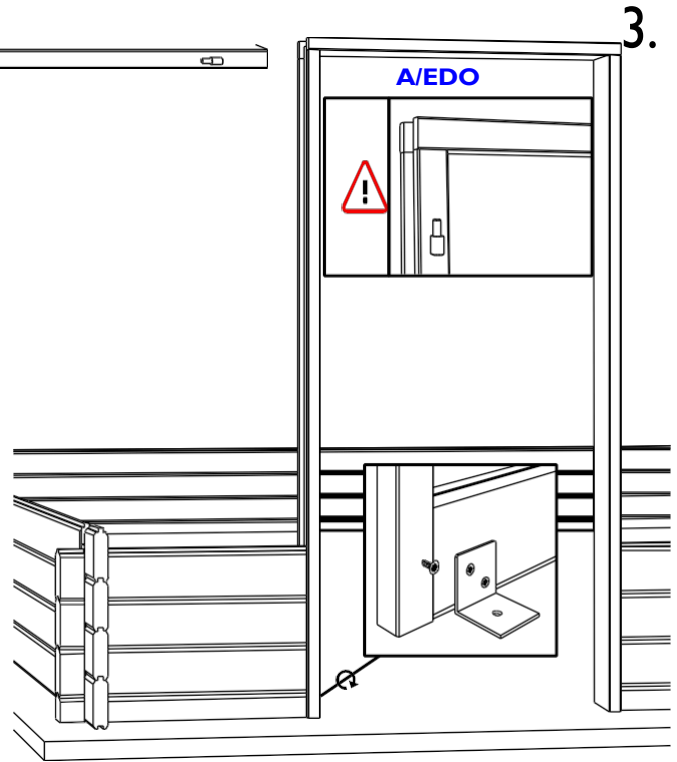
To ensure your garage remains securely in place, you must anchor the bottom logs to the base using an L-bracket, 10 cm to the left and right of the gate opening and on the inside (plugs not included). The gate can be fitted on either the left or right side.

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



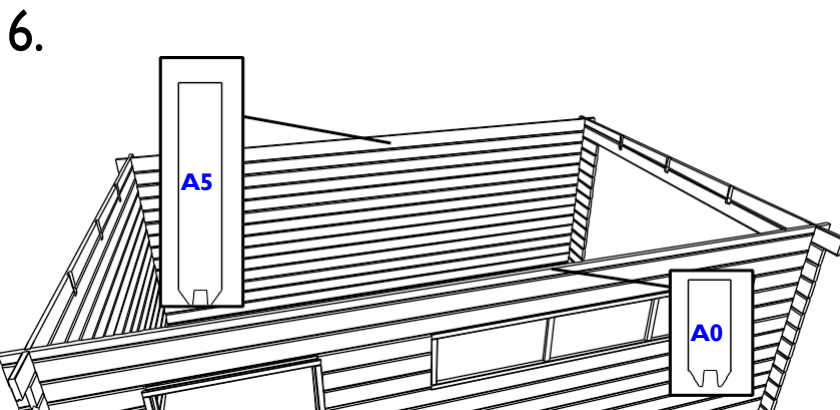
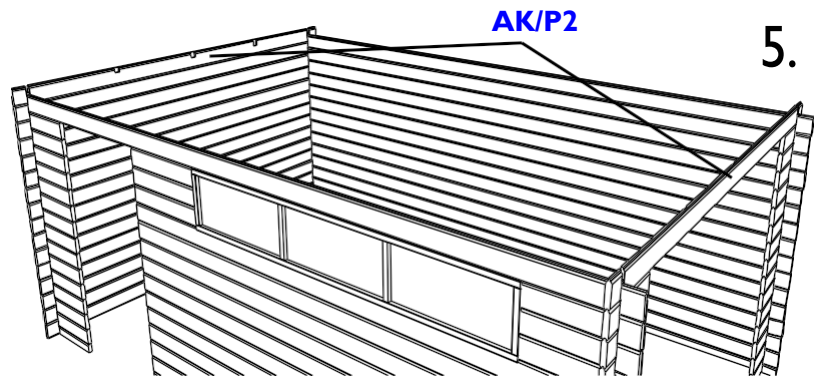


Screw the hinge pin (male part of the hinges) into the pre-drilled left jamb. Lower the door frame (3 parts still to be assembled) into the opening. Make sure that the door opens outwards. **Only attach your frame to the garage at the bottom. At the top, screw the horizontal jamb to the vertical jamb,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



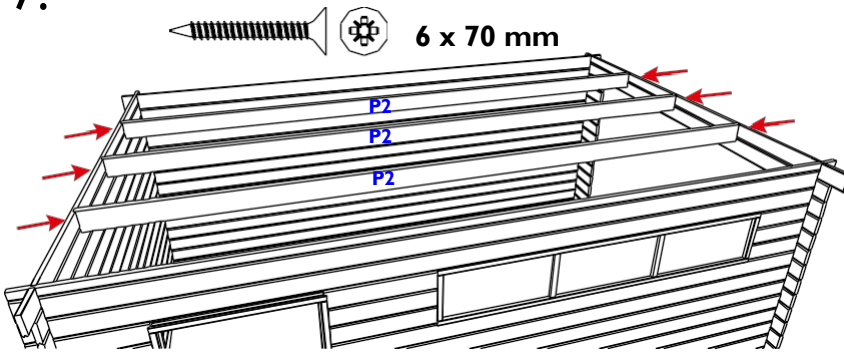
Continue building according to the supplied plans (see detailed parts list) until you reach the height of the bottom of the window. Now add one more layer. Lower the window frame A/VRM3K into the opening. **Do not attach your frame to your garage with screws or nails!** ("Wood lives").

Continue building as shown in the wall drawings in the parts list, until you need to fit the first boards of the roof slopes. These boards must be fitted **with the notches facing inwards**.



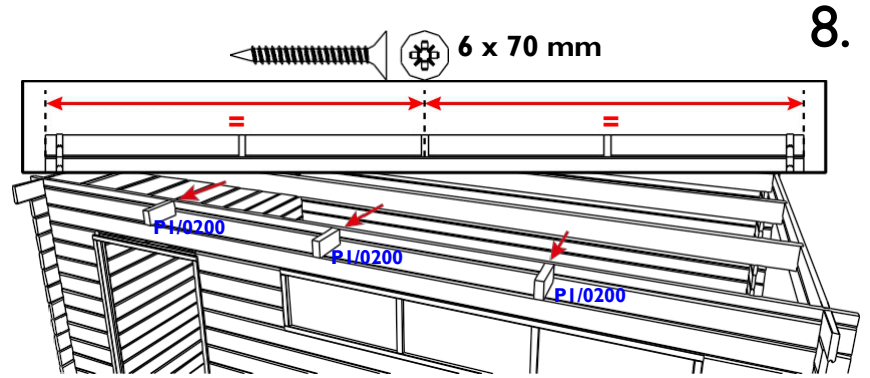
Place the top log A5 at the rear. This has no tongue, only a groove; in other words, it is flat at the top. Next, finish off the roof slopes. The notches face inwards. The top front log A0, like the rear one, has no tongue, only a groove.

7.

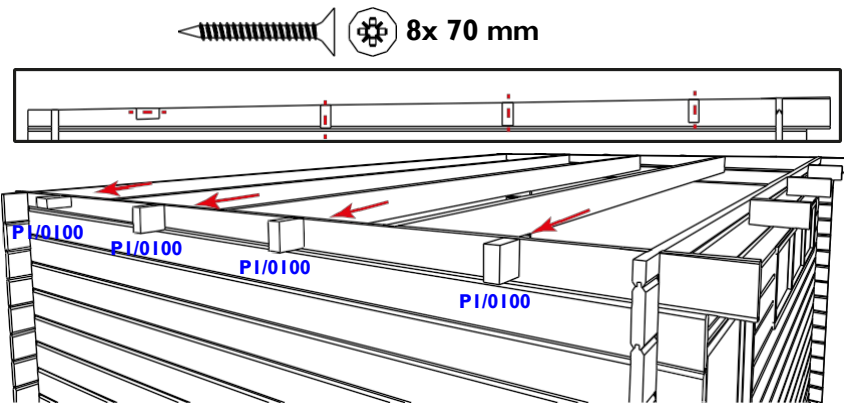


Place the roof rafters P2 into the cutouts of the roof slopes. Secure each roof rafter through the slope with one 70mm screw per side.

Secure the P1 auxiliary roof beams to the front wall using two 70mm screws into the end grain of the beam. Keep the top of the auxiliary roof beams level with the top of the front wall. Mount the central beam exactly in the middle of the front wall. Distribute the remaining beams symmetrically (equal space between all beams).

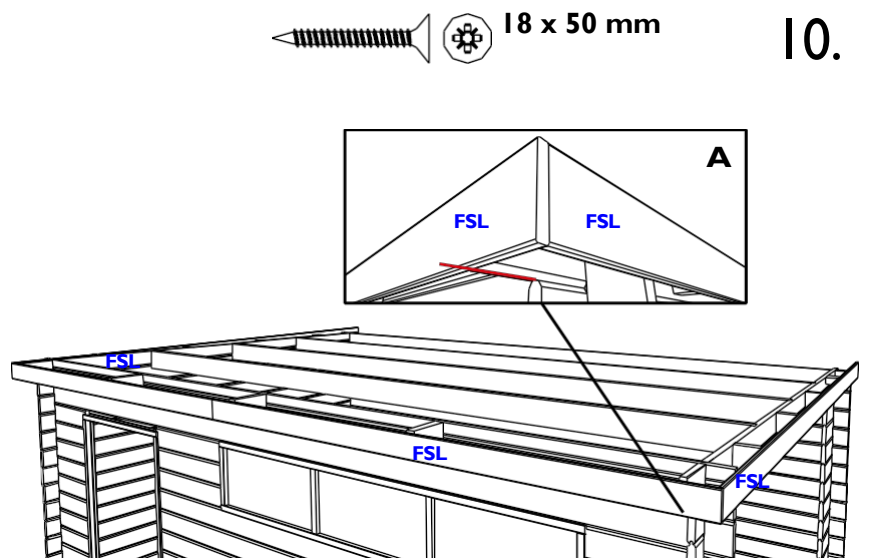


9.



Screw the auxiliary roof beams P1/0100 with one 70 mm screw through the side wall and into the end grain of the block. The front beams vertically, the rear beam horizontally. Keep the top of the block level with the sloped roof edge. Distribute the blocks symmetrically across the side wall.

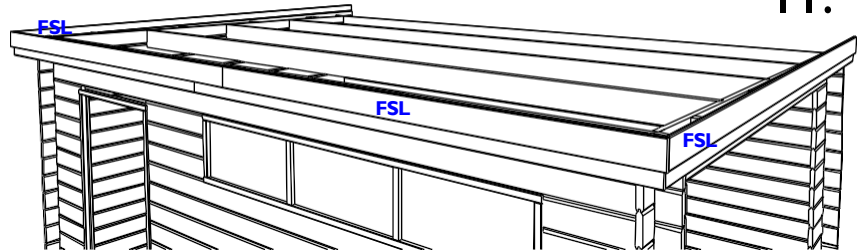
Place a first layer of FSL front decorative battens with the bottom edge level with the bottom of the side wall overhang (detail A). Start at the front. Let two battens meet at the central auxiliary roof beam P; do not cut these battens to length yet, as they will extend beyond the side walls on both the left and right. Secure each one to the roof beams and side walls at the front. Secure each one with a 50 mm screw to the walls and the blocks. Now fit the battens to the side, at the front against the front decorative battens. Use 50 mm screws here too. Now saw the front trim battens flush with side battens.



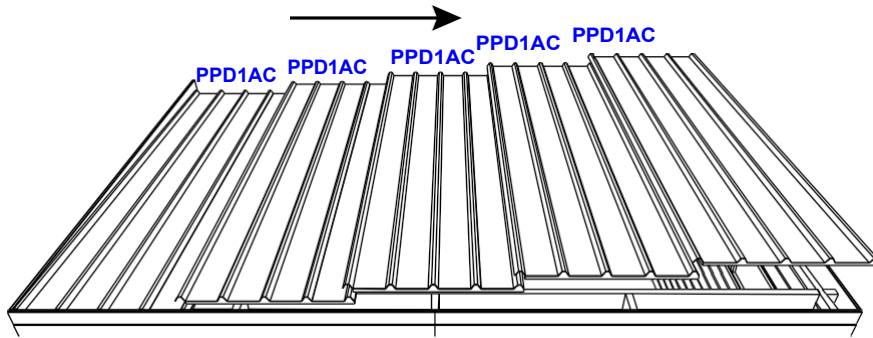
 20 x 25 mm

11.

Now place the second layer of FSL front decorative battens against the first layer, allowing a 5 cm overlap. Start at the front again. Proceed in the same way as for the first layer. Use 5 x 25 mm screws per batten to attach the second layer to the first.



12.

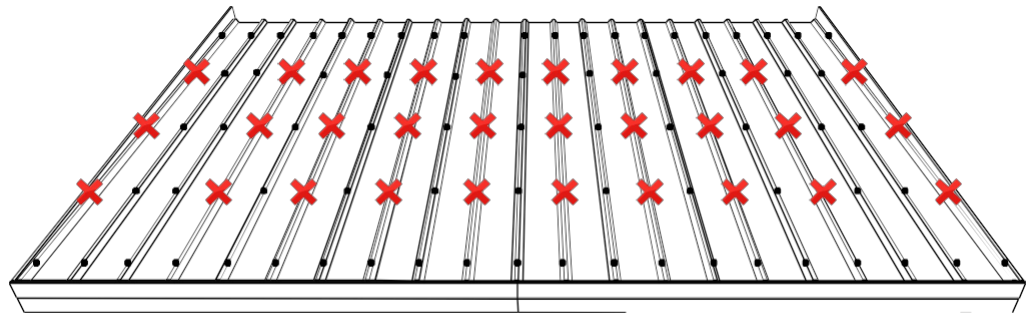



Now place the PPD1AC roof sheets. Ensure that the outer corrugation without anti-condensation fabric overlaps the previous sheet. Wait until all the sheets have been fitted before securing them. **CAUTION!** Always start on the left side. Mark the position of the roof beams and walls on the first and last sheet, on the outer side, using a pencil line.

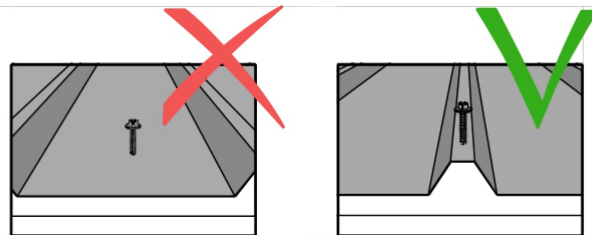
13.

 75 x 70 mm

Check that the sheets are neatly aligned. Mark the centre of the roof beams and walls at the top of the sheets; to do this, connect the pencil marks using a long batten or string. Drill through the steel of the roof sheet using a 5 mm drill bit, and remove all iron filings. **Important!** Always drill through a corrugation and never through the flat part of the sheet. Drill into every corrugation on the front and rear walls. On the roof beams, drill where the sheets overlap, once in the centre of the sheet and once at the outer edge. Now screw the sheets in place, using the screws with caps. Seal the joints between the sheets and the decorative strips all round with silicone (not supplied).



 = Do not drill or screw.

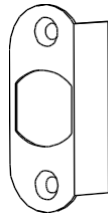
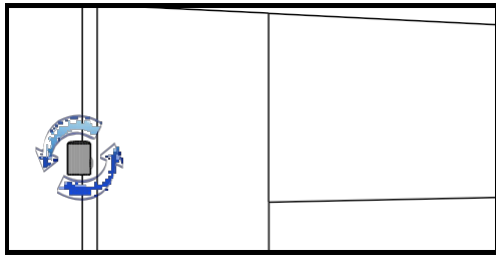


Important! Impregnate the lower part of the anti-condensation fabric, that protrudes **beyond** the side walls with a clear varnish. This prevents the anti-condensation fabric from absorbing water and prevents moss formation.

14.

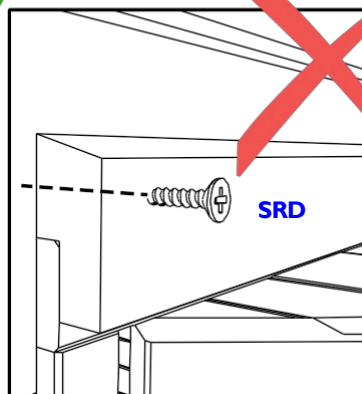
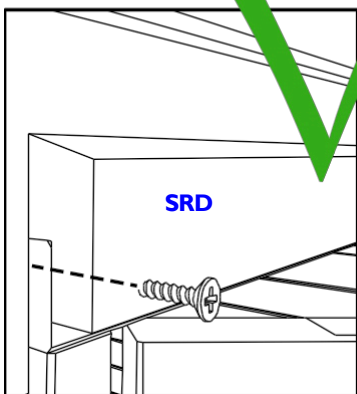
Now fit the EDM04 door with the hinges supplied. Screw the hinge knuckle (female part of the hinges) into the door and hang it up. By turning the hinges in or out, you can adjust the position of the door leaf until it hangs straight. Please refer to the lock manual for instructions on fitting the handle. All that remains is to drill the hole in the stile. To do this, position and fit the separately supplied angle plate (see drawing) and drill out the wood using a thick drill bit.

  14 x 25 mm



15.

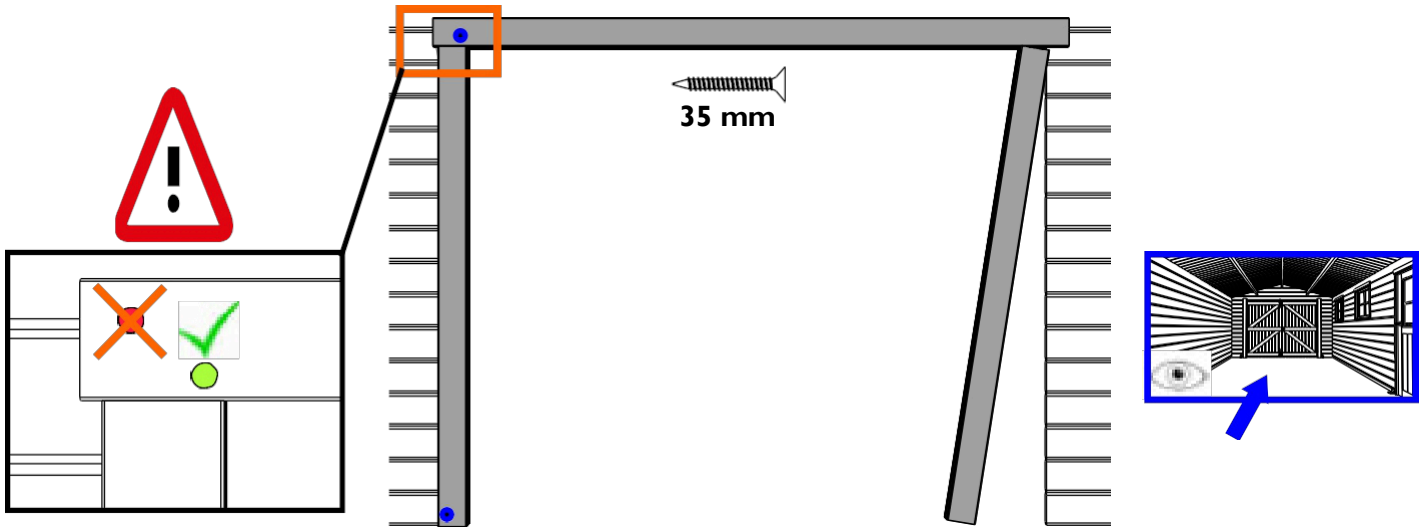
  4x 25 mm



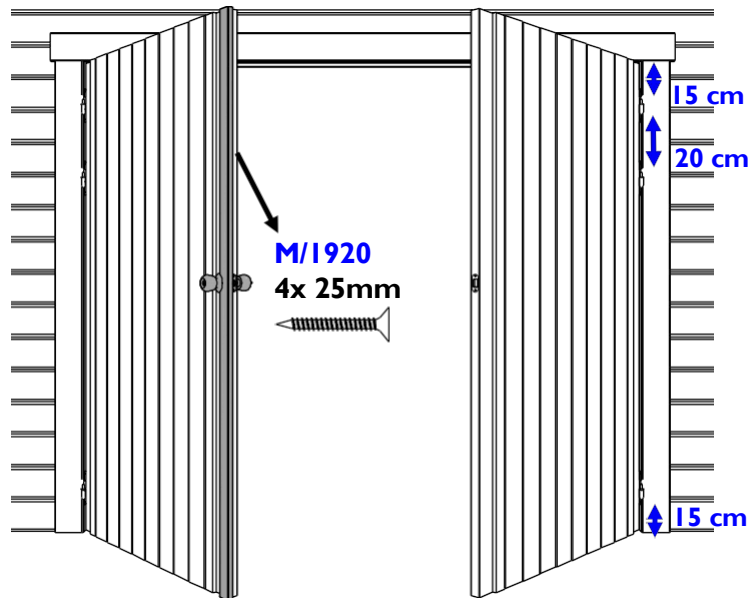
Place the SRD decorative batten on top, both inside and outside the door frame. It serves to conceal the opening at the top whilst the wood is working (see 'wood lives'). Secure with 25 mm screws **to the door frame**.

16.

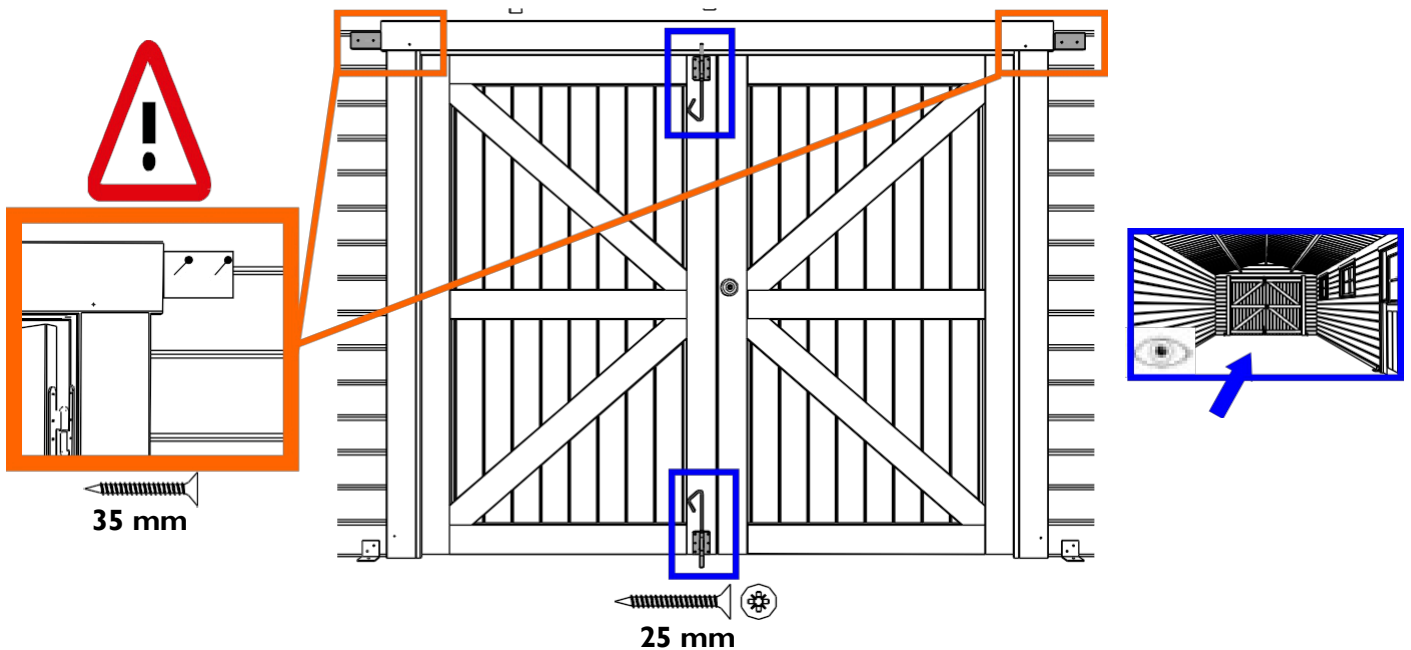
Screw the gate posts A/DDP02 into the bottom of the wall log. At the top, screw the frame sections together but **not** into the wall logs.



Place the lock into the provided recess and position the hinges. Please refer to the lock's instruction manual for assembly of the handle. Screw the M/1920 latch onto the outside of the gate with the handle.



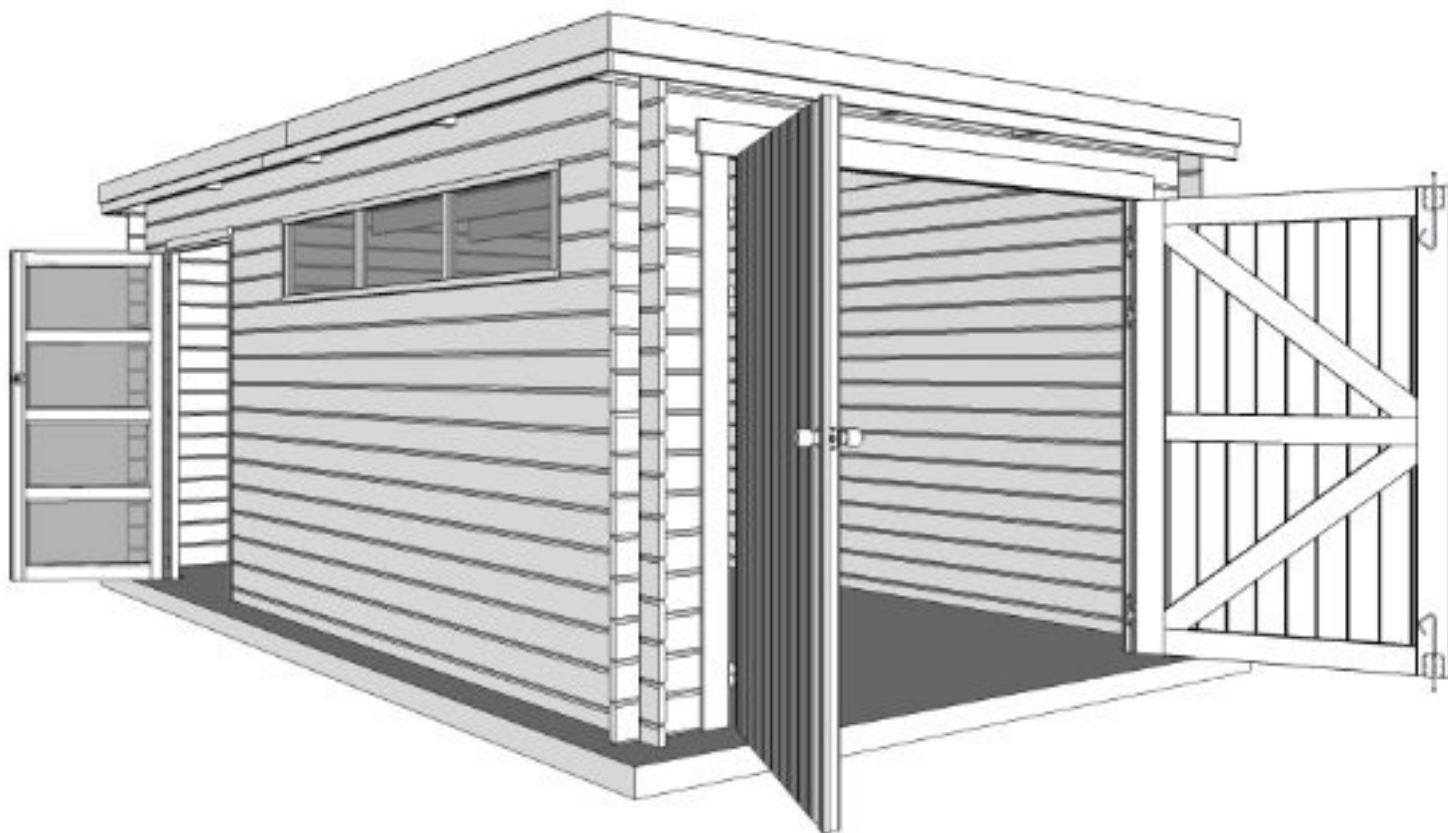
Place blocks left and right of the horizontal frame to secure them at the top. Fit the bolts to the gate without the handle. Finally, on the inside, secure the 599941 strike plates to the frame against the gate using small nails.



17.

Seal the following items with silicone (not supplied):

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



To make your garage 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 were to happen, you must adjust the bracing.

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

Product liability applies only if the garage 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/m².
- 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.