

ASSEMBLY INSTRUCTIONS

IMPORTANT: Our 3mm acrylic with white back print is suitable for backlighting and exclusively for mounting with profiles or brackets. For wall bonding you must order the 5mm opaque acrylic with blockout coating!

INSPECTION UPON DELIVERY

1. the packaging for external damage such as tears, dents, or other abnormalities. Document any damage with photos and take notes.
2. Open the packaging carefully to avoid damaging the contents. Ensure that all parts are included according to the packing list or the order.
3. Compare the scope of delivery with the original order. Check whether all ordered items, accessories, and documentation (e.g., assembly instructions) are present

ASSEMBLY PREPARATION

1. The surface must be dry, free of grease and dust, and as level as possible. You should prime particularly sandy surfaces.
2. We recommend cleaning the surface, however, without chemical cleaning agents or vinegar cleaners.
3. Avoid contact between the surface and sharp or pointed objects.

Acrylic back panels can be processed afterward, but this is somewhat more demanding than with ALU materials! If you are unsure, it is better to hire a professional. With hole saws, jigsaws, and circular saws, straight cuts and recesses for sockets or switches can be made. Use saw blades and hole saws suitable for acrylic.

Order your acrylic back panels as precisely as possible so that, ideally, you do not have to cut them later. If you do need to rework them or, for example, saw out sockets, please observe the following instructions.

MEASURING CORRECTLY BEFORE CUTTING

1. Measure as accurately as possible but always leave a few millimeters of space to be able to better align the panel later. Many edges can be covered or compensated for later with a silicone seam or an aluminum strip.
2. Use a compass or objects with the appropriate diameter for drill holes and cutouts.

Pro-Tip: Use the cardboard that protected your print during transport as a template. This allows you to check the cut panel size and the position of the drill holes and cuts in advance.

CUTS

1. Ensure that the work surface is level and stable to enable precise cuts.
2. Do not peel off the protective film yet! Place the back panel with the motif facing down (!) on the work surface. Use a soft surface, e.g., a blanket or cardboard, to avoid scratches on the motif side.
3. Draw the desired cut line. Tip: For an optimal result, leave 2 mm of space on each side for a silicone joint or aluminum strip. This will give you some room for optimal alignment later.
4. Mask the area where you need to saw with easily removable, wide adhesive tape such as masking tape and transfer the cut line there again. This avoids scratches from the cutting tools.
5. Use a jigsaw or hand-held circular saw with the recommended fine-toothed saw blades. Choose a saw speed that is not too high, otherwise the acrylic can become soft, smear, and melt, and for jigsaws, set any pendulum stroke to max. level 1.

6. Cut along the drawn line. Guide the saw steadily and with a calm grip until the back panel is completely separated. Ideally, use a guide rail.
7. If necessary, process the cut edge with a file or coarse sandpaper to achieve a clean and smooth surface.

DRILL HOLES AND CUTOUTS

1. Cutout with hole saw (drill with core bit)

Cutout with hole saw (drill with core bit) Position the hole saw precisely at the marking or in the center of the planned cutout. Drill carefully and at a speed that is not too high until the hole is completely cut out.

2. **Cutout with the jigsaw** Mask the area around the hole to be drilled with easily removable adhesive tape such as masking tape to avoid scratches; drill inside the hole to be cut out using a drill bit suitable for acrylic, at least the thickness of the saw blade. From there, you can then start sawing along the drawn line.
3. Process the cut edge with a file or coarse sandpaper to achieve a clean and smooth surface.

PREPARATION FOR ASSEMBLY WITH SILICONE OR ADHESIVE

1. **Solvent-free, sanitary-grade silicone** is ideal for acrylic as it's mold-resistant and allows for easy removal. Avoid assembly adhesives, which can cause deformation, and ensure the silicone is acrylic-safe to prevent material damage. We only recommend **assembly adhesive** for acrylic to a limited extent, as some adhesives can slightly deform the material during drying.
2. Silicone gun for the silicone cartridge.
3. Silicone smoothing agent or a water-detergent mix

Pro-Tips: It is best to check in advance which adhesive material is best suited for your surface. Always take one or two extra cartridges. Better to have it and not need it than to need it and not have it ;-)

ASSEMBLY OF THE BACK PANELS

1. Hold the back panel against the desired position on the wall as a test. Check whether the dimensions and alignment are correct. Mark the position if necessary for precise application.
2. Take a clean, slightly dampened cloth and wipe the back of the back panel thoroughly to remove dust, grease, or other residues. Then dry the surface with a lint-free cloth if necessary. Do not use chemical cleaners, vinegar cleaners, or other aggressive cleaning agents. These could damage the material of the back panel or the adhesive applied later.
3. Hold the back panel on a stable, level surface. Place the silicone gun at a corner of the back panel and apply the silicone in even, continuous, wavy lines to the entire back side. Keep a distance of approx. 2-3 cm from the edge of the panel to avoid the adhesive material oozing out. As soon as the adhesive material is applied evenly, bring the back panel to the intended location to ensure that the silicone does not dry prematurely.
4. Carefully press the back panel against the wall. Correct the position slightly if necessary before pressing the panel evenly everywhere and hold it in position for a few seconds until the adhesive material adheres well everywhere.

Pro-Tipp: Check in advance with a long, straight lath or spirit level whether the wall is possibly uneven. In this case, apply the adhesive material extra thick. This way, you can compensate for unevenness to a certain degree and get good adhesion over the entire surface.

ASSEMBLY OF MULTI-PART BACK PANELS

1. Ensure that the edges of the back panel already attached are clean. Prepare the next back panel by cleaning it according to the previous steps and applying the adhesive material.

2. Carefully hold the next back panel so that it is aligned directly edge-to-edge with the back panel already attached to achieve an even and clean appearance.
3. Once the position fits, press the back panel evenly against the wall. Check the alignment while pressing so that the edges do not shift.
4. Wipe off any silicone that oozes out with a damp cloth before it dries. Check the accuracy of the fit of the edges again and adjust them if necessary before the silicone adheres completely.

CORNER INSTALLATION ASSEMBLY

1. Position the first back panel on the first wall side and fix it according to the general assembly specifications.
2. Place the next back panel on the adjacent wall so that it maintains a distance of approx. 3 mm from the first back panel.
3. Check whether the motif is correctly aligned and runs across the corner without offset.
4. After the adhesive material has dried, fill the gap completely with transparent silicone to create a clean and flexible connection. Smooth the silicone joint to achieve an optically perfect finish.

SEALING/GROUTING THE BACK PANEL

1. Peel off the protective film completely.
2. Mask the edge of the back panel with removable adhesive tape to avoid silicone residue and contamination on the back panel. Ensure that the joint is free of dust, grease, and other residues so that the silicone adheres optimally.
3. Cut the nozzle of the silicone cartridge at a 45° angle to allow for clean and even application. Place the tip at an angle to the joint and fill the joint evenly with the solvent-free silicone. Ensure that the joint is filled completely and without gaps.

4. Spray the joint with a silicone smoothing agent or a mixture of water and detergent and then smooth it carefully with a smoothing tool or your moistened finger to achieve a perfect result.
5. Remove the adhesive tape very slowly. Done!

Please note that silicone joints usually require approx. 1 day until they are completely cured and load-bearing. During this time, the silicone joint should not be touched, cleaned, or stressed.

Disclaimer: Please understand that we cannot accept any liability for problems and errors during assembly. If you are unsure, ask someone who is knowledgeable for help or hire a professional.

All instructions and videos
www.shop4walls.de/anleitungen/



4 Walls | Tel.: +49 6003 93444-444 (Mon. - Fr. 09:00 AM - 05:00 PM)

info@shop4walls.de