

AluSpace Door Installation Guide

In this installation manual you will find all the information you need to correctly install AluSpace Interior Door & Screens. Your door has been quality checked to ensure it meets the order specification and quality required. All items have been packaged to prevent damage in transit. Please inspect all parts to ensure they have arrived intact. We do not include sealants, fasteners and glazing packers.

NOTE: It's the sole responsibility of the building owner, engineer, architect and/or installer to verify that the products ordered meet regulations.

Key Things To Remember

During the installation all parts need to be plumb, level, square and free from twist.

Plumb - "Plumb" is what you call a perfectly vertical line. Vertical means up and down. Something that is "plumb" runs perpendicular to the horizon – meaning that when it intersects the horizon, it makes a right (90 degree) angle.

Level - "Level" is what you call a perfectly horizontal line. Horizontal means side to side.

Square - "Square" refers to perfect corners. Corners should be at exactly 90 degrees.

Free from twist - "Free from twist" relates to parts being lined up correctly. Your lines should be perfectly vertical (plumb) and horizontal (level), and your corners should be exactly 90 degrees (square).

This means that the frame and/or door panels should not be tilted or sloped in any way. Every element of your orientation must be exact. Nothing should lean in any direction. If just one corner or one line of the installation isn't straight, the doors will not function properly.

This install guide is based on an installation of side screens on either side of a set of French doors. You may need to adjust these steps based on your configuration.

Pre-installation Inspection

Check the opening is prepared, clean, ready to accept installation of new doors.

Check squareness of opening.

Check level of base, check suitability of base, height for finished floor level (FFL).

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Fitting the Frame

To fix the AluSpace doors to your frame, you'll first need to remove the glazing bead from each panel. This is so you can access the frame itself to drill your fixing holes.

To ensure the glazing bead fits snugly back into place, each screw used to fit the doors to the frame & each other will need to be countersunk. You'll need to drill the hole for the screw (Fig.1), then use a countersinking drill bit (Fig.2) before fitting the screws.

Drill & countersink your fixing holes every 600mm and fit the screws starting with the side of the profile before moving on to the top & bottom. You should use 30-40mm screws to fix your panels to the frame, depending on what material you're screwing into.

To make sure the doors will operate properly and fit correctly in the space required, it's important that you continuously check everything is level with a spirit level.

Predrill and countersink your fixing holes in the coupler (Fig.3) before screwing into place. We recommend self-tapping screws (3.9mm by 16mm) to fit the coupler on and using a clamp to hold the coupler in place against the frame (Fig.4).

Once the coupler is fixed in place, you can then screw your next panel onto your first panel (make sure to countersink the screws so everything is flat). For this you'll need 25mm self-tapping screws, which are slightly bigger than the screws used for the coupler.

If you've got another panel to attach, fasten the coupler onto the door panels using the same process as the other side.

Fix the next panel in place with countersunk screws the same way as before. You may need to peg the door in place to keep it from moving when fixing the other side-screen in place.

You may have to use a clamp to hold the panels together while fixing in the screws, to ensure nothing moves out of place (Fig.4).

Remove tape and foam packers as necessary.



AluSpace Doors

Drill a hole in the bottom frame for the door catch to sit in. Your doors will come with a cover for this hole supplied (Fig.5).

Drill a hole in the top frame for the catch to sit in. Your doors will come with a cover already in place, as the doors will be supplied closed already.

You may have to remove and refit screws where necessary to ensure the frames are in place, so your doors operate smoothly. Everything needs to be perfectly level, or the doors will not operate properly.

Fix your doors/side panels to the top & bottom of the frame, once again make sure to countersink all screws.

Your AluSpace doors should now be fixed in place, and ready to be glazed.



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Glazing for Fixed Screens

You'll need to cut standard glass packers in half so that the glazing bead still fits back on.

Cut strips of glazing gasket to fit around the glass.

Place the glass in each panel. The glazing bead for each side panel will have a notch to fit around the bracket. The beads will be supplied fitted to the frame, so it should be fairly straightforward to match each bead to its place.

The bead will click into place the same way as it was removed at the start of the installation.

Place packers in between the glass and the glazing bead to keep it in place (Fig.7)

Push the pieces of glazing gasket into the bead. Press slightly in place (Fig.8) before pushing fully in with a glazing shovel (Fig.9). As the gasket is pushed in, the packers should drop out.



Glazing for Doors

As with the fixed panels, you'll need to cut standard glass packers in half so that the glazing bead still fits back on.

Cut strips of glazing gasket to fit around the glass.

Secure the packers in the frame using mastic to guarantee that the glass will be kept level when installed (Fig.10).

Next, place the glass in the frame.

Insert additional packers where required. Adjust if necessary, by adding packers at the bottom or top of the frame.

The glazing beads will be supplied fitted to the frame, so it should be fairly straightforward to match each bead to its place.

The bead will click into place the same way as it was removed at the start of the installation.

Place packers in between the glass and the glazing bead to keep it in place.

Push the pieces of glazing gasket into the bead. Press slightly in place (Fig.8) before pushing fully in with a glazing shovel (Fig.9). As the gasket is pushed in, the packers should drop out.

Check that the frame is level and that the doors operate smoothly.

