



# **Installation manual**

## **Fixed frame**

## Needed tools:

- T35 Torx screwdriver for concrete screws
- Heavy duty glass handling tools
- Non-metal hand wedge
- Gasket roller
- Knife
- Tape measure
- Level
- Rubber Mallet
- Open 21 mm combination wrench
- Soapy water in spray bottle

## Needed materials:

- Insulative material, such as mineral wool and silicone caulking
- 7.5 x H mm screws (In most cases included with the frame.)

## General installation notes:

1. Do not drop, roll or drag boxes of aluminium framing. Move and stack boxes with sufficient support to prevent distortion. If forklifts are used, be especially careful not to strike the boxes when you lift or move them.
2. Store in a dry, out of the way, area. If exposed to rain, condensation or water, remove packaging material. Wet packaging material can stain and may discolour aluminium finishes and paints.
3. The item package should be revised and checked for quantities, quality parameters and other important criteria upon receipt. If any discrepancies are found, Aluflam or its authorized dealer must be contacted immediately.
4. Carefully check the openings and surrounding constructions that will be used for installing the construction. Remember, if the frame construction is not within the declared specifications, it is the clients responsibility to notify the general contractor in writing. Any discrepancies must be brought to the general contractor's attention before proceeding with the installation.
5. Collect your shop drawings, materials, packing list, and this installation manual. Carefully review the location of the parts, the sequence of glazing installation procedure, and how you seal it. Installation instructions are of a general nature and may not describe every condition you will encounter. The shop drawings were prepared specifically for the project.
6. Any material substitutions must be of equal or greater quality as those specified. Consult Aluflam prior to substituting any material. That will ensure that the product's fire ratings is not violated.
7. Remember to isolate, all aluminium from uncured masonry or other incompatible materials, in an approved manner.
8. If system-to-structure fasteners are not supplied by Aluflam. Fasteners called out on the shop drawings are indicated in minimal possible size.
9. If any questions arises regarding Aluflam's products or installation, contact Aluflam or our authorized dealers for clarification before proceeding.

## General installation notes - continued:

10. Aluflam product installation is frequently completed before drywall installation, flooring and other products installation or processes. Take the extra time to wrap and protect the installed material, to prevent damage to the construction.

11. Cutting tolerances are  $\pm 1\text{mm}$ . unless otherwise specified. Keep in mind, that tolerances may differ, depending on products size and other parameters.

12. Aluflam framing products are prefinished and prefabricated, and must be protected in order to keep the products free of any damage. Concrete, mortar, plaster, Muriatic Acid and Other alkaline based acid, construction cleaning materials may be very harmful to construction finishes and should be removed immediately with water and mild soap, or permanent damage, staining of the finishes may occur. A spot test is recommended before any cleaning agent is used, and abrasive type cleaners must never be used.

13. Doors should never be used as ladders, step stool, scaffold or scaffold support.

14. All work must start without the referenced benchmarks, offset lines and or column centreline established by the architectural drawings and the general contractor.

15. All doors and frames must be installed plumb, square, level and true, and in accordance with approved shop drawings.

16. Glass and glazing building code governing the design and use of products vary widely. Aluflam, does not control the selection of the Products, Product Configurations, function and operating hardware, or glazing materials, and assumes no responsibility for design under these considerations. It is the Responsibility of the design professional, owner, architect, specifier, general contractor, and the installer to make under these selections in strict accordance with all applicable codes.

## Installation of fixed frame

### 1. - Measuring and alignment

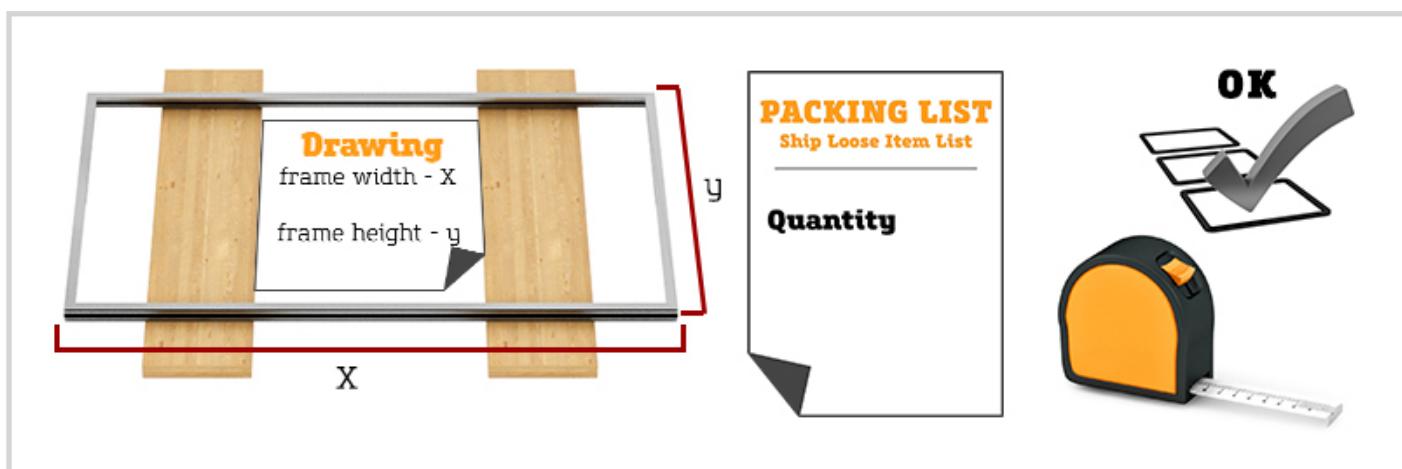


### 2. - Unpack frame



1.1 - Control measurements vertically and horizontally. Also make sure that the walls are level

2.1 - Carefully remove the packaging. The frames are now unprotected and should be handled carefully.



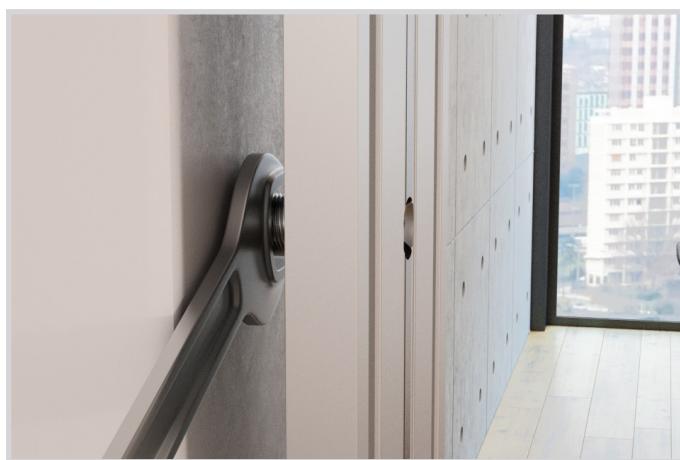
2.2 Measure the frame and cross reference with the technical drawings. Make sure the measurements correspond to the approved drawings. Also consult with the checklist to ensure that all needed components have been delivered. Ensure that the frame is lifted from the floor when measuring, to prevent damaging the surface treatment.

## Installation of fixed frame

### 3. - Installing the frame



3.1 - Put the frame into the designated hole and fasten it temporarily with clamps and the positioning bolts are completely tightened. Make sure not to tighten the bolts too hard, as it can damage the frame.



3.2 - Adjust the positioning screws to make sure the frame stays in place. Make sure that the frame is level after adjustment and that the diagonal measurements are as specified to ensure that the frame is square. Also make sure that the frame is level.

3.3 - Drill holes into the surrounding walls, using the frame holes as guides and a 6.5mm drill.

## Installation of fixed frame



3.4 - Make sure you have the proper amount of clearance between the wall and the frame. Reference with shop drawings.

3.5 - Fasten the frame into the surrounding structure



3.6 - The frame should now be anchored to the wall, and should be ready for installation of the glazing.

## Installation of glazing

## Installation of glazing

4 - Preparing the frame for glazing installation



4.1 - Locate the glazing bead groove on the frame.

4.2 - Place the glazing bead on the frame, and align edges.

4.3 - Apply pressure to the glazing bead to snap it in place.

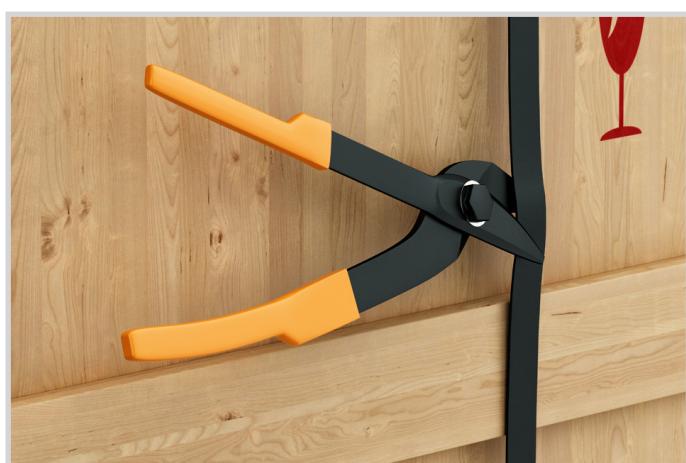
4.4 - Install glazing gasket

## Installation of glazing

### 5 - Unpacking the glass



5.1 - Place the glazing near the point of installation.  
Ensure secure and stable placement of glazing packaging.  
At least two people should handle the glazing at all times, for health and safety reasons.



5.2 - Unpack the glazing and prepare to lift the glass into position. Never put the glass directly onto the floor as it can cause the glass to collapse. Always elevate the glass from the floor using either planks of wood or other suitable material.

## Installation of glazing

### 6 - Installing the glass in the frame



6.1 - Place the glazing near in the frame, using the heavy duty glazing tools.

Place the glass on the bottom part of the frame first, and apply force until the glazing touches the top glazing bead. Make sure the glass touches both the top and bottom glazing bead.



6.2 - Install the glazing beads on the other side of the frame.

Prevent the glazing from touching the glazing bead without a rubber gasket.

## Installation of glazing

### 6 - Installing the glass in the frame



6.3 - Spray the area where the gasket will be installed with mild soapy water. This eases gasket installation.

6.4 - Install the rubber gasket.



6.5 - Ensure that the gaskets fit tightly, by cutting the gaskets in a 45 degree angle in the corners.

6.6 - Use a gasket roller ensure a secure fit of the rubber gasket. The glass is now installed.

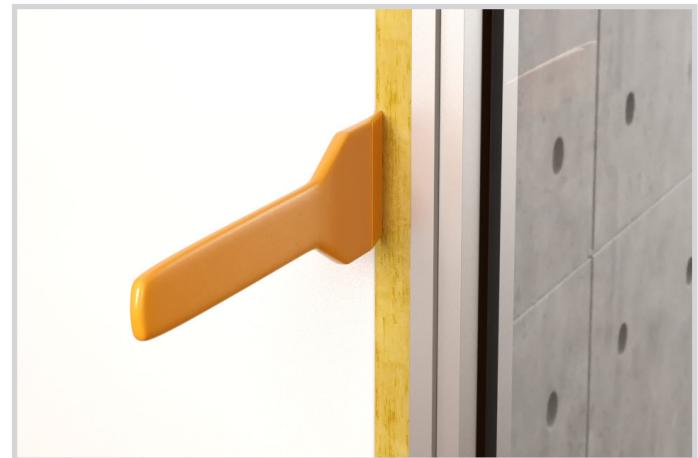
## **Sealing and insulation**

## Sealing and insulation

### 7 - Sealing between frame and structure



7.1 - Measure up the mineral wool and cut it up in desired dimensions.



7.2 - Insulate the area between the frame and the structure.



7.3 - use silicone caulk to seal the area between the structure and frame.