


Measuring aid for balcony doors

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Do you require assistance?

Our experts will help you to determine the correct dimensions.

 By phone at **+49 711 860 60 180** (Mon. - Fri. 8 a.m. - 6 p.m.)

 E-mail to info@neuffer.de

Preparation and material required

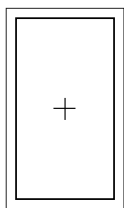
You will require

- Pocket rule or tape measure
- Paper and pen

Sketch the balcony door

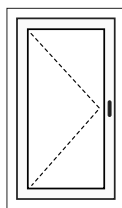
- Sketch the balcony door (interior view) on a sheet of paper
- Draw the position of the window handle of the balcony door
- Draw triangles for the opening direction

Representation of all possible opening directions (interior view)



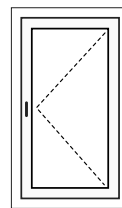
Fixed glazing

Balcony door cannot be opened



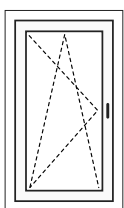
Turn left

Balcony door leaf turns from right to left



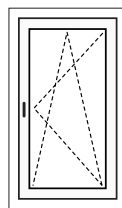
Turn right

Balcony door leaf turns from left to right



Tilt left

Balcony door leaf can be turned from right to left and tilted

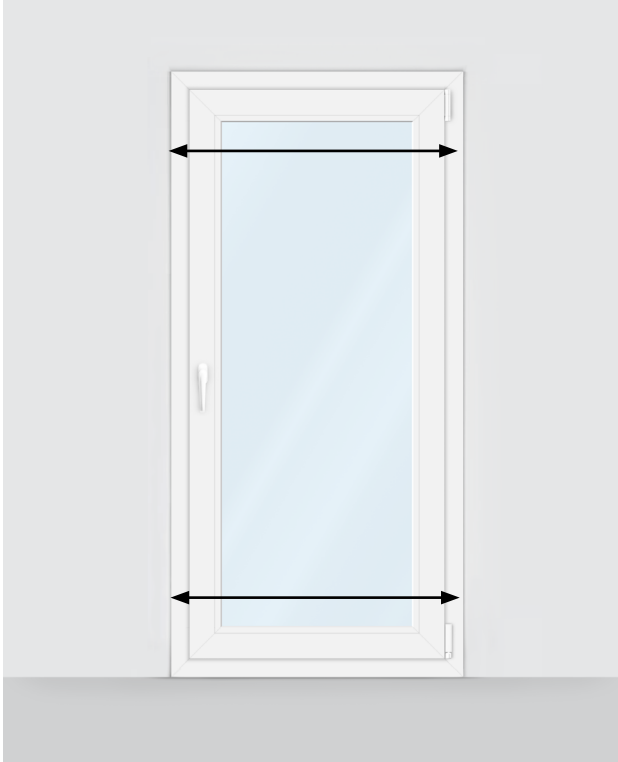


Tilt right

Balcony door leaf can be turned from right to left and tilted

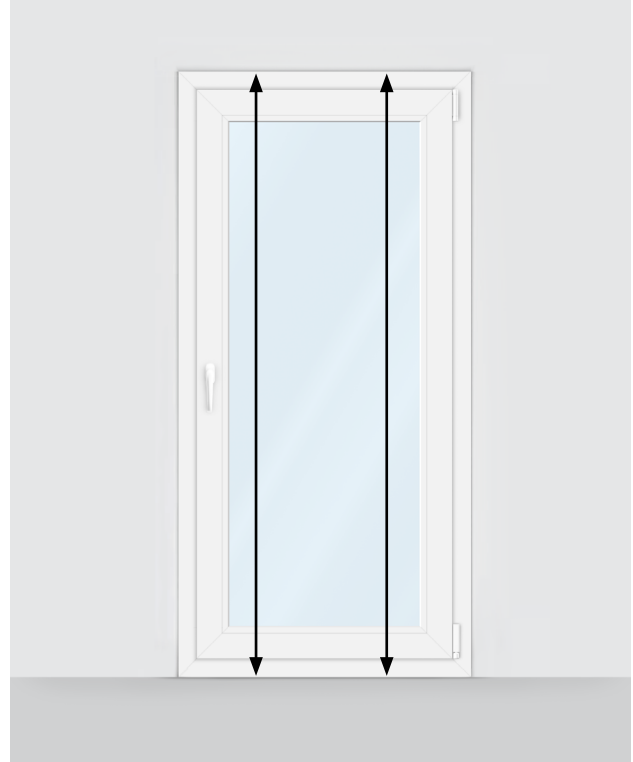
Measuring the balcony door correctly

Measure width



1. Measure the width of the wall opening (embrasure) in the upper and lower thirds and note the value.
2. Subtract 20 mm (for sealing) from the lower value.
3. The result is the total width of the balcony door to be ordered.

Measure height



1. Measure the height of the wall opening (from the lintel to the parapet) in the left and right thirds and note the value.
2. Subtract 20 mm (for sealing) from the lower value.
3. The result is the total height of the balcony door to be ordered.

Please note

All dimensions include all add-on parts, e.g. frame extensions or front-mounted roller shutter. All dimensions are measured in millimetres (mm) and are also indicated in the configurator.

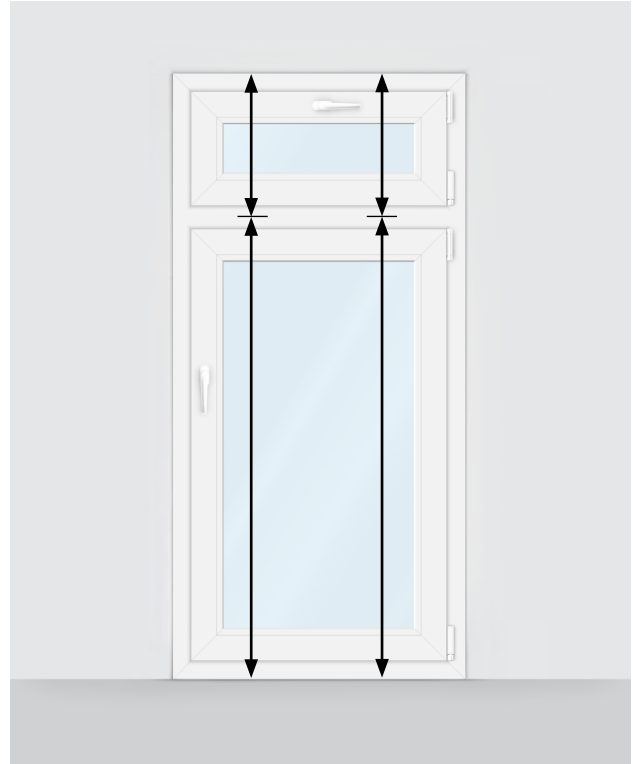
Measuring balcony door with skylight correctly

Measure width



1. Measure the width of the wall opening (embrasure) in the upper and lower thirds and note the value.
2. Subtract 20 mm (for sealing) from the lower value.
3. The result is the total width of the balcony door.

Measure height



1. Measure from the lower edge of the frame (parapet) to the centre of the cross beam.
2. You can specify the height for the skylight individually in the configurator.

Please note

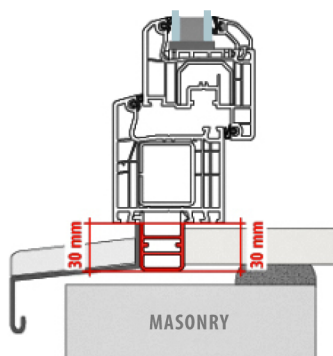
All dimensions include all add-on parts, e.g. frame extensions or front-mounted roller shutter. All dimensions are measured in millimetres (mm) and are also indicated in the configurator.

Connection profile for window sill (uPVC balcony door)

What is a connection profile? The old building connection profile corrects different heights between the outside window sill and the inside window sill, as they often occur in old buildings. It is, therefore, particularly important for the insulation of the balcony door. For new buildings, the new building connection profile enables a connection of the interior and exterior window sill.

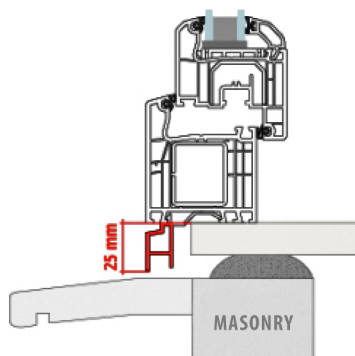
When do I need a connection profile? A connection profile is always required if a window sill is to be installed on the inside and/or outside of the balcony door. It provides a watertight seal between the balcony door and the windowsill.

Possible connection profiles for new or old builds



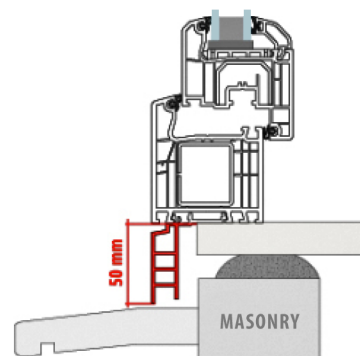
New build standard

30 mm connection profile



Old building

25 mm connection profile



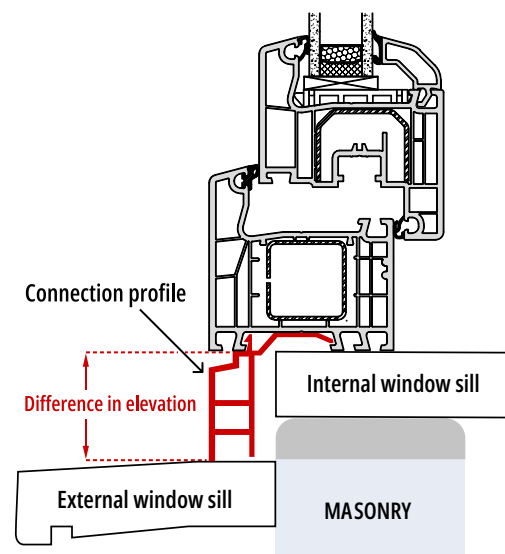
Old building

50 mm connection profile

Old building – How to measure correctly

Determine the difference between the inside window sill and the outside window sill. This is the required height of the connection profile.

If the value is between 25 mm, 50 mm, then select the next larger connection profile. You can cut the height to suit your individual needs.



Determining the dimensions with front-mounted roller shutters – embrasure mounting

With this type of installation, both the roller shutter box and the guide rails are mounted inside the wall opening i.e. on the upper frame extensions (fixed frame) of the balcony door.

Measure width (see A in schematic)

1. Measure the width of the outer wall opening (embrasure) and note the value. The width of the front-mounted roller shutter corresponds to the balcony door width.
2. Subtract 10 mm (for sealing) from the noted value.
3. The result is the total width to be ordered.

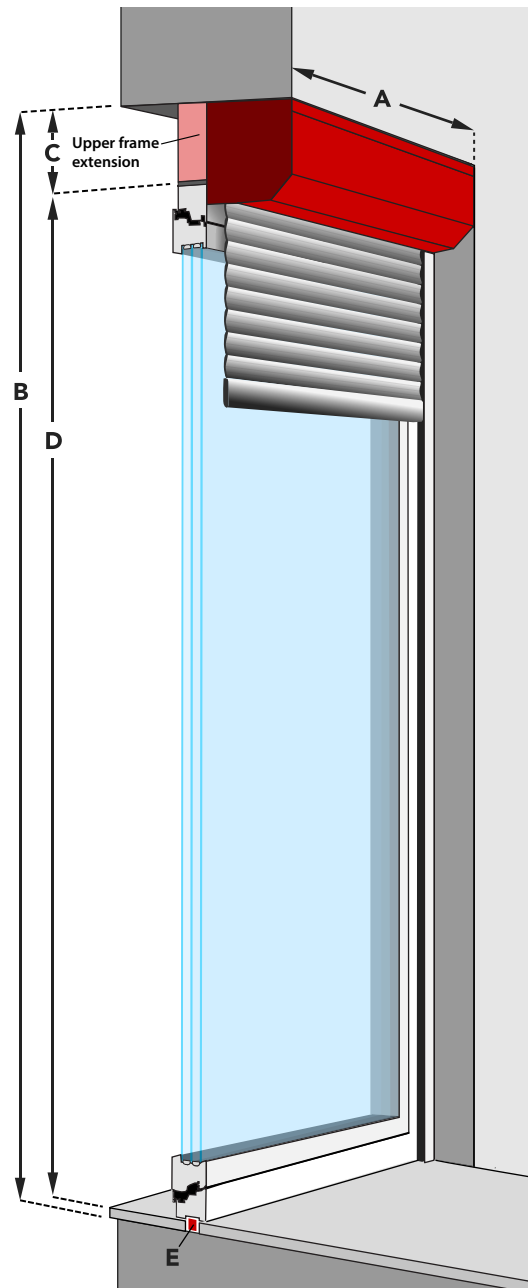
Measure height (see B in schematic)

1. Measure the height of the wall opening (from the lintel to the parapet) and note the value.
2. Subtract 10 mm (for sealing) from the noted value.
3. The result is the total height to be ordered.

Why frame extensions?

The upper frame extension is required so that the roller shutter box does not protrude into the balcony door.

Info: The correct height of the upper frame extensions is automatically added in the balcony door configurator. The height can also be changed individually later in the configurator.



- A** = Total width (-10 mm for sealing)
- B** = Total height (-10 mm for sealing)
- C** = Upper frame extension for mounting
- D** = Balcony door
- E** = Window sill connection profile

Determining the dimensions with front-mounted roller shutters – Masonry mounting

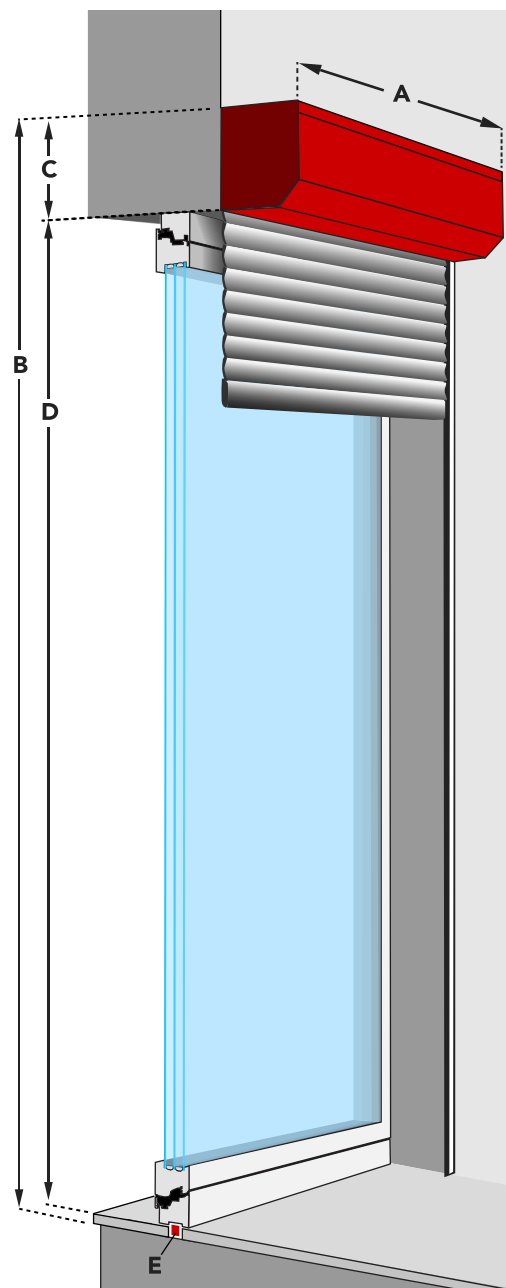
If the roller shutter box is mounted on the outside of the wall above the balcony door opening, this is called masonry mounting. The guide rails are fitted to the right and left of each.

Measure width (see A in schematic)

1. Measure the width of the embrasure and note the value.
2. Add 2 x 53 mm (for the 2 guide rails)
3. The result is the width to be ordered.

Measure height (see B in schematic)

1. Measure the height of the embrasure and note the value.
2. Add the height of the box.
3. The result is the height to be ordered.



- A** = total width
- B** = total height
- C** = Frame extensions for mounting
- D** = Balcony door
- E** = Window sill connection profile

Determining the dimensions with Top-Mounted roller shutters

Measure width (see A in schematic)

1. Measure the width of the outer wall opening (embrasure) and note the value. The width of the roller shutters corresponds to the window width.
2. Subtract 10 mm (for sealing) from the noted value.
3. The result is the width to be ordered.

Measure height (see B in schematic)

1. Measure the height of the wall opening (from lintel to parapet) and note the value.
2. Add the height of the roller shutter box to the window height. This varies, depending on the window height and is automatically displayed in the configurator.
3. The result is the height to be ordered.

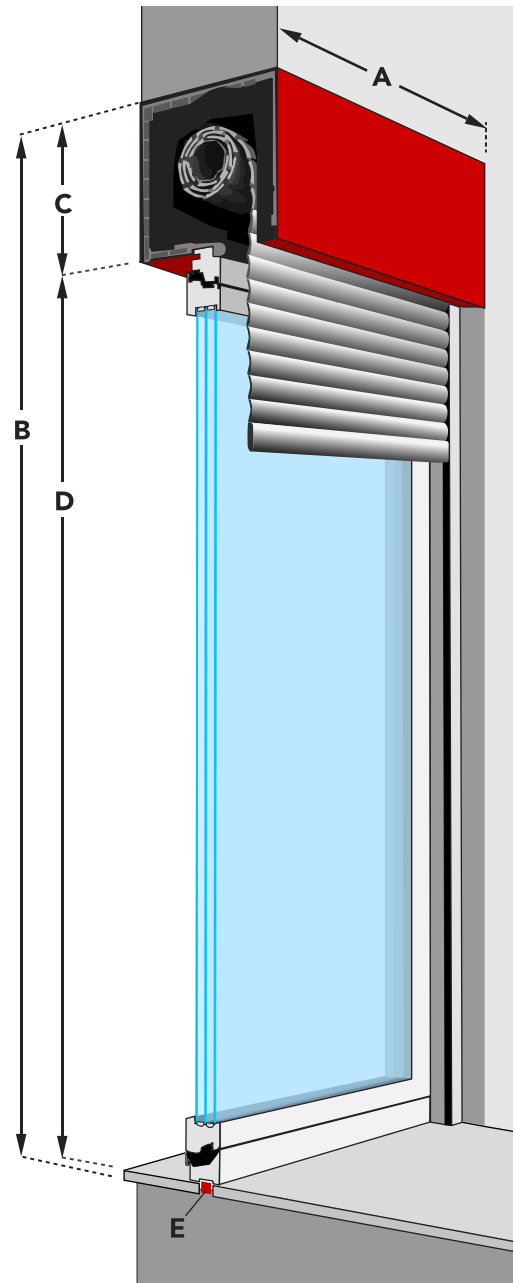
Info: The guide rails are always as long as the balcony door, and are flush with the balcony door at the bottom edge.

If you want the rails to be flush with the outside window sill, add the difference dimension. To do this, measure from the bottom edge of the window frame to the top edge of the window sill. In most cases, this dimension is about 30-50 mm.

Note on the roller shutter dimensions

If you already have a roller shutter box that you want to use, you will most likely need frame extensions for your balcony door.

Contact customer service to determine the appropriate measurements.

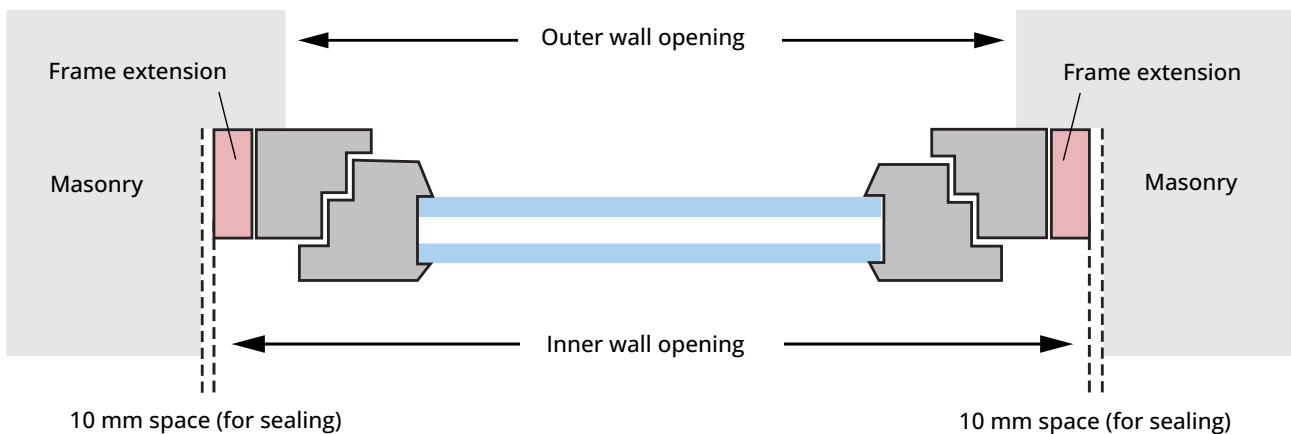


- A = total width
- B = total height
- C = Roller shutter box
- D = Balcony door
- E = Window sill connection profile

Determining the dimensions for balcony doors with inside stop

What is an inside stop? With the inside stop, the masonry at the balcony door recess is wider on the inside than on the outside. This means that the balcony door frame is partially covered by the masonry on the outside. To ensure that the profile does not completely disappear into the masonry and can be neatly sealed, the dimensions of the balcony door should be adjusted accordingly by extensions the frame.

Schematic: Top view



How to measure correctly

1. Measure the inner and outer wall openings and find the difference.

Inner - outer = difference

2. Divide the difference by 2 to get the difference per side.

Difference: 2 = Difference per side (frame extensions)

3. If the difference per side is less than 50 mm, your order dimension is the inside width minus 20 mm.

Wall opening inside - 20 mm = your order dimension

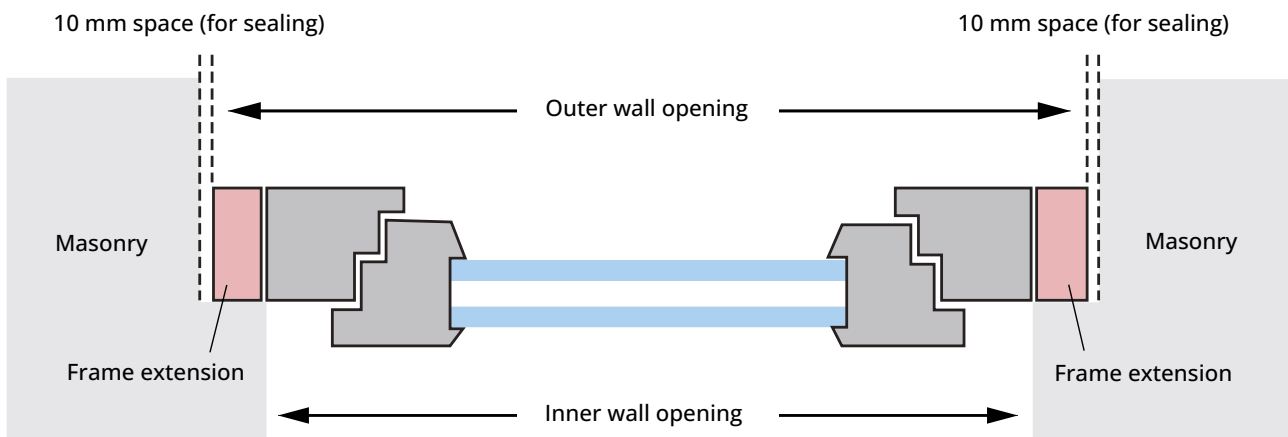
If the difference per side is greater than 50 mm, we recommend ordering the balcony door with frame extensions.

Info on frame extensions

You can order frame extensions in step 2 of the configurator.

Determining the dimensions for balcony doors with external stop

What is an external stop? With the external stop, the masonry at the balcony door recess is wider on the outside than on the inside. This means that the balcony door frame is partially covered by the masonry on the inside. To ensure that the profile does not completely disappear into the masonry and can be neatly sealed, the dimensions of the balcony door should be adjusted accordingly.



Schematic: Top view

How to measure correctly

1. Measure the outer and inner wall openings and find the difference.

$$\text{Outer wall opening} - \text{Inner wall opening} = \text{difference}$$

2. Divide the difference by 2 to get the difference per side.

$$\text{Difference} : 2 = \text{Difference per side (frame extensions)}$$

3. Subtract 20 mm from the outer wall opening (outer width) for sealing, this will give you your order dimension.

$$\text{Wall opening inside} - 20 \text{ mm} = \text{Your order dimension}$$

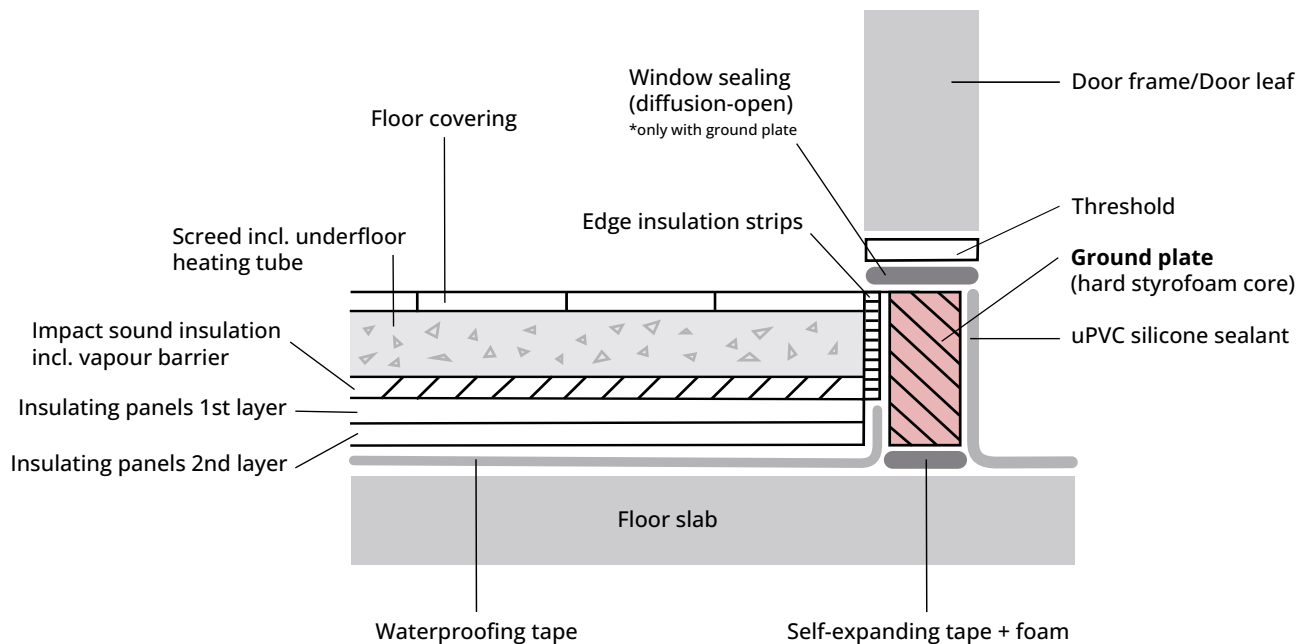
Info on frame extensions

The difference determined should always be compensated with frame extensions. The frame extensions can be ordered in step 2 of the configurator.

The floor recess profile

The floor is often a weak point in the thermal insulation between inside and outside. In order to ensure that no cold bridges occur even with a low aluminium floor threshold and to bridge the distance from the upper edge of an unfinished floor e.g. concrete slab or the upper edge of finished floor e.g. parquet, tiles, etc., we offer you a so-called floor recess profile for improved insulation.

- is inserted below the threshold of the balcony door
- ensures optimum thermal separation between balcony door and floor, as well as inside and outside
- improves the stability of the entire door construction
- has the same width as the selected profile (70 or 85 mm)
- depth varies from 30 mm to 200 mm; simply choose the right size from the list



Info: The floor recess profile can be optionally selected in step 2 of the configurator. To do this, you must always select a balcony door threshold beforehand.

Determining the dimensions with frame extension

Frame extensions is needed when a difference between two dimensions, e.g. external and internal dimension, has to be bridged.

It is also used to attach a front-mounted roller shutter without it protruding into the balcony door glass.

Given that the required dimensions for frame extensions depend to a significant extent on the respective application, it is difficult to document the exact calculation. We will be happy to assist you in determining the correct extensions.

Do you require assistance?

Our experts will help you to determine the correct dimensions.



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