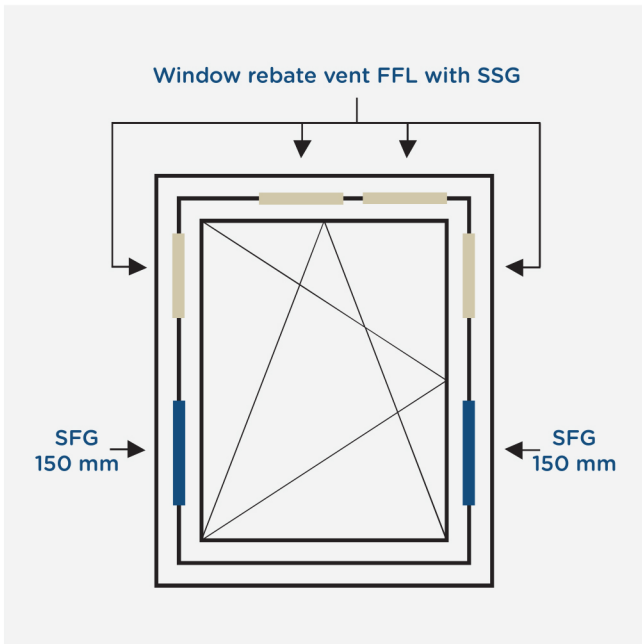
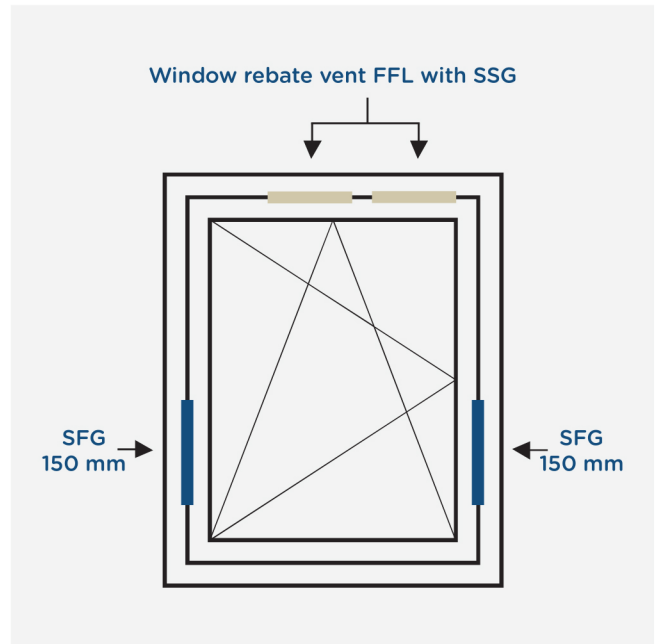


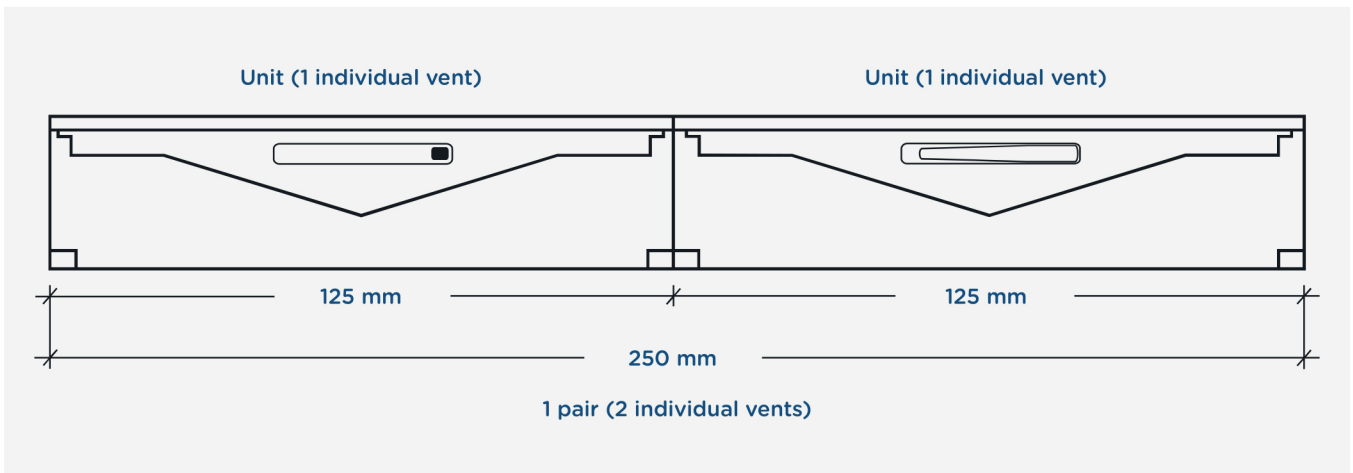
Installation instructions for Regel-air® FFL Window rebate vents for PVC windows (compression and centre gasket)



Example 1:
2 pairs of window rebate vents with SSG



Example 2:
1 pair window rebate vents with SSG



The illustration shows the option for the implementation of 2-level control.
To do so, only one spring is engaged in horizontal installation.

⚠ **Note the test reports!**



1.) Vent installation

Where possible, screw the Regel-air® window rebate vents FFL into the upper horizontal window frame or transom in the area which is free of fittings. The feet reach over the inner edge of the window frame! Insert the individual vents as a pair directly beside each other or separated by strike plates, always pre-drill 3 mm, remove borings and attach the vents using Ø 3.9 mm cylinder head screws (not countersunk head!). When screwing the vents into the groove of the glazing strip retainer, pre-drilling can be omitted if self-tapping screws are used in conjunction with a screwdriver with correctly set torque control. Check that flaps can move easily! If more than two individual vents are to be used (max. 4) or if the space in the top of the window frame is insufficient, window rebate vents can also be installed in the side frame rebates. They must be positioned as high as possible. A minimum spacing of 50 mm to the special frame gasket (SFG) must be maintained.

The supplied return springs are not required for horizontal installation at the top. For vertical installation in the side window frame, the return springs must be snapped into the respective opening provided in the flap recess. Here, the spring is first positioned in the opening using the two small locking hooks and then pressed in completely.

2.) Sash gasket

Cut out the part of the sash gasket which lies opposite the window rebate vents when the window is closed, remove it and replace it with the special sash gasket (SSG) supplied. To do so, close the casement and transfer the ends of the outer Regel-air® feet to the sash overlap. Replace the sash gasket in the marked area with the special sash gasket (SSG) with the rim pointing towards the sash rebate. The SSG length is 125 mm per individual vent.

If an SSG is not used, there is a significant delay in the reaction of the ventilation flaps, this can lead to uncontrolled flow volumes past the vent, draughts and infringement of important standards.

3.) Centre gasket (only relevant for centre gasket systems)

In centre gasket systems, the centre gasket must be removed in the Regel-air® area, matching the length of the vent in each case.

4.) Window frame gasket

Replace a length of 150 mm of the vertical window frame overlap gasket on the left and right, each starting 100 mm above the lower corners with the special frame gasket (SFG). The SFG length must be increased to 300 mm per side if 2 pairs of rebate vents FFL are used in combination with an additional overlap vent OV.

5.) In case of noise insulation requirements

For noise insulation requirements, the length of the special frame gaskets (SFG) can vary. It shall be applied in accordance with the noise insulation test reports.



i Special installation note for extruded gaskets:

In case of extruded gaskets, their removal, which is required to install the Regel-air® window rebate vents, can be carried out easily, quickly and cleanly as follows:

Resources required (tools)

- Angled long-nosed pliers with a front tip diameter of max. 2.5 mm.
- Cutter knife

Procedure:

- 1.) Specify exact measurement. Make a clean incision in the existing gaskets using the cutter knife.
- 2.) Approximately in the centre between the two separating cuts, grip the extruded gasket with the angled long-nosed pliers and pull continuously until it becomes detached from the base of the groove.
- 3.) Grip it again with the long-nosed pliers and pull the gasket out as far as one of the partially cut sides; while doing so, hold the tip of the cutter knife in the place where the incision has been made in the gasket, cleanly separating it at the cut surface.
- 4.) Repeat the process on the other side.
- 5.) Insert the Regel-air® SSG and SFG as usual.

i Installation note for French casement windows:

With French casement windows, the SFG should only be placed on the rebate sides, on the right and left on the fixed window frame. For each window casement, the maximum recommended quantity is 2 pairs of Regel-air® FFL. French casement windows are to be treated as a single casement.

i Installation note for balcony doors:

With balcony doors, the SFG must be replaced starting 1000 mm below the top corner.

i Not suitable for sill systems.

