

# Tender documents

## Window rebate vents with automatic flow volume control for PVC windows

### Structural requirements for home ventilation

ⓘ **To regulate the relative moisture in the house or apartment and improve room hygiene, provision must be made for window rebate vents in the frame rebate which react to wind pressure.**

### The following requirements are stipulated:

- The ventilation device may not change the appearance of the window from the inside or outside.
- Ventilation devices may not be visible when the window is closed. When the window is open, they must be accessible and easy to clean.
- The flap mounting should be positioned above the airflow to ensure long-term functionality which could be affected by contamination.
- Simple disassembly for through cleaning must be ensured.
- The airflow should ideally be directed towards the ceiling where it enters the living area. The vent floor may not have any cross ridges which are susceptible to contamination. It must be smooth.
- Airflow by milling through inaccessible hollow chambers in the profile is not permitted due to the risk of contamination by dirt and germs.
- It must be ensured that windows can be quickly returned to their original state both in their appearance and function.
- The automatic wind pressure regulation should take place in 2 stages below 50 Pa. Verification of the performance test of the vent in accordance with DIN EN 13141-1 shall be presented on request.
- Driving rain resistance must be ensured in accordance with DIN EN 12208 up to 600 Pa.
- Airborne sound insulation in accordance with EN ISO 10140-1 and -2 depending on requirement, shall be verified on request.
- If not required otherwise for the individual items, all casement units shall be equipped with window rebate vents in accordance with the manufacturer's guidelines and installation instructions.
- Regel-air® window rebate vent system or equivalent.