



AEROSEAL



Case Study

MEZ-AEROSEAL

Vienna Education Campus

» Compliance with air tightness class C. «

Vienna Education Campus

Location: Vienna

Date: Jun 19

MEZ-AEROSEAL Partner: Aero seal Austria GmbH

Executing company: GU Fa. Porr

Result: The Fa. Ortner company used sheet metal plates for the individual strings at the transition from the rectangular air duct to the round air spiro pipes. VSRs located in the rectangular air duct were replaced by „blind ducts“ for the sealing. In the ventilation units, the individual strands were sealed with sheet metal plates in the area of the canvas sockets. The sealing unit was located near the ventilation units located on the roof. After the sealing with the Aero seal system was completed, a tightness class „C“ could be maintained for all these ventilation ducts. The sheet metal plates and the „blind ducts“ were then removed. At the time of sealing, the building was already finished (incl. finished false ceiling, flooring, painting, ...) and the ventilation was roughly regulated. This was no problem for us.



Smell



Noise



Energy efficiency



Air tightness



Indoor air quality

Description

We were commissioned by the company Fa. Porr with the sealing of ventilation ducts so that the tightness class „C“ is maintained. In order to be as effective as possible, special attention was paid to the main lines up to the respective volume flow controllers. Since this is where the largest duct surfaces with the maximum system pressures are, the reduction of leakage has the greatest effect here..

Successful sealing

With our successful MEZ-AEROSEAL partner network we achieve great success again and again.

The change in leakages

Before sealing

- 1300 l/s at 300 - 460 Pa

After sealing

- 429.8 l/s at 300 - 460 Pa

Reduction

- 67%



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