



AEROSEAL

Case Study

MEZ-AEROSEAL

Lux Tower

» Compliance with tightness class C. «

Lux Tower

Location: Linz, Österreich
Date: Dez 19
MEZ-AEROSEAL Partner: Aroseal Austria GmbH
Executing company: Aumayr GmbH Lüftung und Metalltechnik

Result: The air duct connections on the ventilation unit were closed off with sheet metal plates. Similarly, the new air ducts installed in the restaurant were sealed with sheet metal plates from the existing ducts in the shafts. The sealing unit was installed directly below the ventilation ducts in the area of the bicycle storage and connected to the ventilation ducts above. After sealing was completed with the Aroseal system, a tightness class „C“ was achieved for these ventilation ducts.

Description

In the recently constructed multi storey building, a rental area was converted into a restaurant. The existing ventilation unit was replaced. However, with the existing ventilation ducts it was not so easy. In order to prevent odour nuisance, the standard ducts that had been constructed were additionally sealed with the Aroseal system, as another renovation option was not practical due to accessibility and cost. The ABL and FOL ducts of this system now have the tightness class „C“ and thus meet the requirements regarding tightness.



Smell



Noise



Energy efficiency



Air tightness



Indoor air quality

Successful sealing

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

The change in leakages

Before sealing

- 53.7 l/s at 400Pa

After sealing

- 6.1 l/s at 400Pa

Reduction

- 88,60%



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