



AEROSEAL

Case Study

MEZ-AEROSEAL

Nursing home and community centre Ottnang

» *Resolve odour issues
and noise pollution* «

Nursing home and community centre

Location: Otttnang, Austria
Date: 25. Aug 15
MEZ-AEROSEAL Partner: Aroseal Austria GmbH
Executing company: Ing. August Lengauer GmbH & Co. KG
Result:

The kitchen exhaust (starting point air tightness class C; total surface: 255 m²) and the second system (supply/return; total surface: 452 m²) were sealed. Both systems could be sealed down three times below the allowed limits of air tightness class D. Therefore, all risks of odour and noise pollution could be banned at once.



Smell



Noise



Energy efficiency



Air tightness



Indoor air quality

Description

In the new construction of the „Nursing home and community centre Otttnang“, the kitchen exhaust and a second system, consisting of supply and return air, were sealed with MEZ-AEROSEAL. Even though the quality of the air duct systems was already very good to start with, the owner wanted to make totally sure that no nuisances like odours and noises would come up in the daily operation. Especially in the case of the kitchen exhaust, only a very high tightness of the air duct system could guarantee that odours wouldn't spread throughout the building, since the system is located in the overpressure area in the basement..

Successful sealing

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

The change in leakages

Before sealing

- 19,1 l/s (kitchen exhaust) and 75 l/s (supply/return)

After sealing

- 2,1 l/s (kitchen exhaust) and 2,7 l/s (supply/return)

Reduction

- 88,8 % (kitchen exhaust) and 96,2 % (supply/return)



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