



AEROSEAL

Case Study

MEZ-AEROSEAL

Hospital Sierning

» Achievement of a tightness class „C“, so that the air volume reaches the extraction points «

Hospital Sierning

Location: Sierning Oberösterreich
Date: Dez 19
MEZ-AEROSEAL Partner: Aroseal Austria GmbH
Executing company: Fa. Ing. August Lengauer GmbH & Co KG

Result: The two ventilation ducts were closed directly at the ventilation unit connection by metal plates. On the treatment floor all ventilation grilles were removed and covered with foam plates. The sealing unit was connected in the central ventilation system. The work on the ventilation grilles could already take place during the day. The waterproofing was only started after the treatments at 15.30 and completed at 19.00. Afterwards the ventilation grilles were installed again and the metal sheets were removed. We left the plant at 9.30 pm - the client can now enjoy an air network with tightness class „D“. Up to now, the operator has blown about 1 500m³ /h senselessly around the area, as the existing duct network does not even meet the requirements of tightness class „A“ by far.



Smell



Noise



Energy efficiency



Air tightness



Indoor air quality

Description

In the course of a renewal of the ventilation system for physiotherapy, the existing supply air and exhaust air lines of this system were sealed from the new ventilation unit to the air outlets in the individual areas. The existing air ducts in the ascending shaft were already several decades old, although the air ducts in the floor were not renewed until 2010. For energy efficiency reasons, the two ventilation lines were completely sealed..

Successful sealing

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

The change in leakages

Before sealing

- 397.5 l/s at 300Pa

After sealing

- 9.2 l/s at 300Pa

Reduction

- 97,70%



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