



AEROSEAL®

Case Study

MEZ-AEROSEAL

Franziskus Hospital Vienna

» Sealing of the exhaust air and exhaust air kitchen pipes in order to achieve air tightness class C and thus meet the requirements of ÖNorm H6030 and EN 16282 «

Franziskus Hospital Vienna

Location: Vienna, Austria
Date: Jul 20
MEZ-AEROSEAL Partner: Aero seal Austria GmbH
Executing company: Fa. Ing. August Lengauer GmbH & Co KG
Result:

In the course of the general renovation of the Franziskus Hospital in Vienna, the kitchen ventilation system was also to be renewed. Due to the limited space available, however, it was not possible to install the air ducts properly and in accordance with the state of the art. In order to avoid potential leakages and odour problems resulting from this, the exhaust air and exhaust air pipes were sealed using the Aero seal process after completion of the raw installation. For this purpose the company Ing. August Lengauer GmbH & Co. KG sealed all air duct connections with a sheet metal plate before the installation of the kitchen ventilation ceiling. In addition, the sealing device in the area of the ventilation center was connected to the pipe network. A leakage measurement carried out before the sealing showed leakages of almost 400 l/s. This was a considerable amount, however, due to the limited space available during installation and could not have been eliminated with conventional measures. By using the Aero seal process, however, the leakages could be reduced by 95.2% within a short period of time, so that after sealing, all exhaust air lines were classified as air tightness class D.



Smell



Noise



Energy efficiency



Air tightness



Indoor air quality

Description

The Franziskus Hospital in Vienna was created in 2017 from the merger of the St. Elisabeth Hospital with the Hartmannspital. Two locations, Wien-Landstraße and Wien-Margareten, with different medical specialties offer optimal care, are non-profit and open to all people. The Franziskus Spital Margareten focuses on the areas of heart and lung, chest, thyroid, intestine, veins, gastroenterology, sleep, pain medicine and surgery. The Franziskus Spital Landstraße is home to the largest palliative care unit in Austria and a diabetes focus. In addition, both locations have an acute geriatric ward and remobilization.

Successful sealing

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

The change in leakages

Before sealing

- 378,3 l/s at 300 or 450Pa

After sealing

- 18,0 l/s at 300 or 450Pa

Reduction

- 95,2%



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