Case Study

MEZ-AEROSEAL

Gasometer

» *Achievement of air tightness class „B", so that the air volume reaches the exhaust points.* «

Gasometer

Location: Vienna

Date: Okt 19

MEZ-AEROSEAL Partner: Aeroseal Austria GmbH

Executing company: Direct order from Gesiba

Result: It was suspected that the major leak was in the main vertical pipe. Therefore, this area was first inspected and sealed. To do this, the two flue gas fans were closed off from the ventilation duct by metal plates. In the same way, a separating plate was installed at the lower point of the riser shaft to the self-ventilating Promat ducts. After completion of the renovation work, the sealed ventilation line for air lock ventilation had almost reached tightness class „C" (suitable for hospitals!!). In the course of the sealing, it was also determined that the remaining ventilation line still had much larger leaks. This renovation will be executed in a next step with some additional preparation work.

Smell | Noise | Energy efficiency | Air tightness | Indoor air quality

Description

In the course of a standard inspection of the fire smoke extraction system, it was found in the area of the airlocks where the air volume at the extraction points does not correspond to the total exhaust air volume at the fan The approximately 20-year-old existing pipes, which were made of galvanised ventilation ducts and largely of self-ventilating promat shafts, had then to be sealed to ensure the necessary air exchange..

Successful sealing

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

The change in leakages

Before sealing	After sealing	Reduction
• 104.4 l/s at 500Pa	• 16.5 l/s at 500Pa	• 84,20%

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