



**AEROSEAL**

## Case Study

MEZ-AEROSEAL

# Université de Nanterre

» Reducing leakage from 2 x air tightness class A to an air tightness class B «

# Université de Nanterre

**Location:** Nanterre / France

**Date:** 18 January - 12 February 2016

**MEZ-AEROSEAL Partner:** MapClim

**Executing company:** -

**Result:** The air ducts at Université de Nanterre are made of calcium silicate. The building includes 25 chimneys with 8 riser ducts each. The surface of each chimney is approximately 50 m<sup>2</sup>. The leakage measured before sealing with MEZ-AEROSEAL was 2 x air tightness class A in average. After applying the Aroseal process, the duct work corresponds to a tightness class B and even tightness class C in some cases.

## Description

During the commissioning of the installations (25 „chimneys“ including 168 riser ducts made of Promat / calcium silicate), the customer measured leakages of 50 % in between the fans and the outlets. After that, the customer contacted MapClim, air treatment specialist and MEZ-AEROSEAL partner since 2015, to reduce the existing leakage in the duct work..



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

- 2786.5 l/s in total (corresponds to 2 x class A)

### After sealing

- 217.2 l/s in total (corresponds to class C)

### Reduction

- 92.2 %



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