



AEROSEAL

Case Study

MEZ-AEROSEAL

Campus Institut Mines Télécom Sud

»» *Achievement of airtightness class C* ««

Campus Institut Mines Télécom Sud

Location: Paris/France

Date: 11 May 2016

MEZ-AEROSEAL Partner: Sogestfa

Executing company: -

Result: In only one day, including preparation, sealing and return to service, an air duct system was sealed with Aero seal. The ductwork was mainly rectangular, with some circular sections. The plenums of the filter ceilings were already installed. Thanks to the Aero seal process, it wasn't necessary to dismantle the partitioning of the riser ducts or the metal substructure for the suspended ceilings. The Aero seal project didn't cause any additional delay on the building site's timetable nor affect the other trades' work in a negative way. The cost of the sealing with Aero seal was well below the cost for a traditional approach.



Smell



Noise



Energy efficiency



Air tightness



Indoor air quality

Description

After several attempts to improve ductwork airtightness and after airtightness testing through a certified expert (QUALIBAT 8721), an average leakage rate of airtightness class A was determined. At the beginning of the Aero seal project, the entire ductwork was installed and already connected to the laminar flow ceilings. In most of the laboratories, the metal substructure for the suspended ceilings was already installed. Against this background, the plant manufacturer contacted Sogestfa for an additional sealing with Aero seal, in order to achieve an airtightness class C, that was required according to the thermal calculation..

Successful sealing

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

The change in leakages

Before sealing

- 139.6 l/s

After sealing

- 4.3 l/s

Reduction

- 96.9%



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