



**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 AeroSeal. The ductwork was mainly rectangular, with some circular sections. The plenums of the filter ceilings were already installed. Thanks to the AeroSeal process, it wasn't necessary to dismantle the partitioning of the riser ducts or the metal substructure for the suspended ceilings. The AeroSeal 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 AeroSeal 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 AeroSeal 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 AeroSeal, 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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