



AEROSEAL®

Case Study

MEZ-AEROSEAL

Nursery Les Ulis

» Achievement of air tightness class B. «

Nursery Les Ulis

Location: Essonne, France

Date: 24. Nov 15

MEZ-AEROSEAL Partner: SOGESTFA

Executing company: -

Result: The project was carried out within 3 days, including preparation, sealing and dismantling of the duct work and the Aero seal equipment. The sealed duct work sections have surfaces from 60 to 80 m² and lengths of 50 to 70 m. In total 7 injections were realized to seal the entire system. The system is constituted of rectangular and circular sections. The air terminal devices are connected with flexible ducts with acoustic insulation.

Description

The air duct systems of the building were tested on tightness well after the delivery of the new construction. The test results showed that the systems were considerably leaky and that tightness targets could not be met (2-3 x tightness class A instead of tightness class B). The primary challenge of this project was that the air duct systems are located behind a suspended ceiling that is not demountable. Therefore, access was really limited and company SOGESTFA was contacted to seal the ducts from the inside using MEZ-AEROSEAL..



Smell



Noise



Energy efficiency



Air tightness



Indoor air quality

„The customer was the municipality of Les Ulis. The customer was very pleased that the air tightness target could be met and even exceeded, about the short project term, and that the total project cost was well below the costs of a complete dismantling of the ceiling and a traditional, manual sealing of the duct work..“

Successful sealing

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

The change in leakages

Before sealing

- Average of 130,5 l/s

After sealing

- Average of 9,8 l/s

Reduction

- Average of 92,3 %



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