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Case Study

MEZ-AEROSEAL

Simonmetsän Daycare

» Sealing of a cider day care center and a leakage reduction of 84-90% «

Simonmetsän Daycare

Location: FI-001350 Vantaa / Finland
Date: 2017
MEZ-AEROSEAL Partner: Ilmastointimitaus Lind Oy (IML)
Executing company: -

Result: The sealing process has been performed using each 2 injection points in the supply and the return duct. Using the plenum and the ducts the sealant has been injected into the system. Therefore a leakage reduction between 84 and 90% could be achieved.



Smell



Noise



Energy efficiency



Air tightness



Indoor air quality

Description

The HVAC system of Daycare center Simonmetsän in the Finnish city of Vantaa was planned to be refurbished. In order to increase the technical and hygienical standard. Before sealing the ducts they have been examined towards air tightness. Manufacturing and assembly shortcomings have been detected, e.g. not sealed drilling holes.

Successful sealing

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

The change in leakages

Before sealing

- supply air: 157.4 l/s
- exhaust air: 155.2 l/s

After sealing

- supply air: 25.1 l/s
- exhaust air: 15 l/s

Reduction

- supply air: 84%
- exhaust air: 90%



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