Case Study

MEZ-AEROSEAL

Wexford Offices Building

» *Reduction of the leakage rate to a maximum of 10 % of the system design* «

Wexford Offices Building

Location:	Wexford, Ireland
Date:	12. Feb 17
MEZ-AEROSEAL Partner:	Spectrum Engineering Ltd.
Executing company:	Spectrum Engineering Ltd.
Result:	The commissioning of a newly constructed office building in Wexford failed because stable operating conditions could not be achieved due to 50% leakage rates. As the deadline for completion of the project was very tight and in addition a large part of the air conveyor system was mounted inaccessible above the already installed plasterboard ceilings, MEZ-AEROSEAL was used. Within only one day the air conveying system of the office building, consisting of galvanized sheet metal ducts, was sealed so reliably that the fan power was reduced and a fan installed on the first floor was removed to increase the pressure. Overall, „Class A" could be achieved and by matching the system to the design, the noise level was also significantly reduced. The client was enthusiastic about the „fantastic technology that solved very difficult problems" and stated that he would recommend MEZ-AEROSEAL for future projects.

Smell | Noise | Energy efficiency | Air tightness | Indoor air quality

Description

A newly built office building in Wexford could not be put into operation because the leakage rate was 50% and thus a stable operating condition could not be achieved. Since a large part of the air conveyor system was located above the already installed plasterboard ceilings, manual sealing of the leaks was not possible.

Successful sealing

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

The change in leakages

Before sealing	After sealing	Reduction
• 479,8 l/s	• 65,7 l/s	• 86,30%

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