



AEROSEAL



Case study

MEZ-AEROSEAL

New building production Birkenstock in Pasewalk.

» Sealing with AEROSEAL directly
in the new construction phase to guarantee air tightness class C. «

Birkenstock project

Location: 17309 Pasewalk, Germany
Date: Beginning 2023
MEZ-AEROSEAL Partner: B.ARC Lüftungskanalbau GmbH
Result: Below in detail:

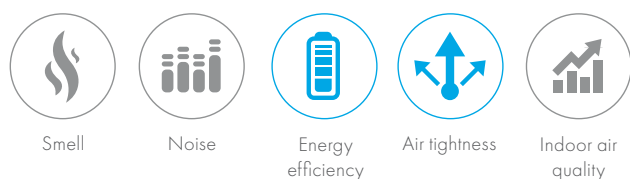
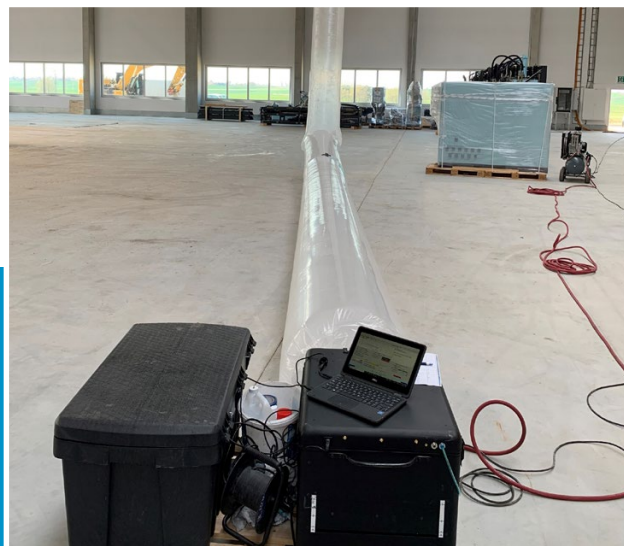
Hall 1	Strings: 10 Piece	Air duct surface: 5007m ²
	Length: 1226m	
Leakage before	Leakage after	Reduction
1761 l/s	229,8 l/s	88 %
ATC 5	ATC 2	

Hall 2	Strings: 6 Piece	Air duct surface: 3480m ²
	Length: 985m	
Leakage before	Leakage after	Reduction
1258 l/s	110 l/s	92 %
ATC 5	ATC 2	

Bridge	Strings: 5 Piece	Air duct surface: 1220m ²
	Length: 1546m	
Leakage before	Leakage after	Reduction
396,6 l/s	21,6 l/s	93 %
ATC 5	ATC 2	

Cafeteria	Strings: 6 Piece	Air duct surface: 1555m ²
	Length: 1011 m	
Leakage before	Leakage after	Reduction
948 l/s	45,1 l/s	90 %
ATC 5	ATC 2	

ATC = Air tightness class.



Project description

The Birkenstock company is building a new plant in the town of Pasewalk for a total of 120 million euros. The building complex covers a total of 36,000 m².

The buildings will be equipped with several air conditioning systems. AEROSEAL® was already included in the planning phase. The goal was to achieve air tightness class C (ATC 3).

During the planning phase, a decision was made to supply and install the ductwork in air tightness class B (ATC 4). After completion, the individual strings would be sealed to air tightness class C or better using Aeroseal.

Air tightness class D (ATC 2) was achieved throughout.

Successful sealing

With our successful partner network, we achieve great success time and again.

Energy savings, costs and ROI.

Cost reduction through mounting in ATC 4

- 22.000 EUR
- *Savings Min. (p. a.)
- 42.000 EUR

Costs for the Aeroseal sealing

- 69.000 EUR
- *Savings Max. (p. a.)
- 85.000 EUR

Additional costs due to this concept

- 47.000 EUR
- Return of Invest (ROI)
- 0,55 - 1,11 years

*Assumption: Cost of 1m³ air 3,00€ to 6,00€.