

AIRTIGHT® AIRTAPE

Self-adhesive tape for creating an airtight seal
between (prefab) construction elements



- ✓ Easily airtight connections between building components
- ✓ Reduces contact noise
- ✓ Very easy and quick installation
- ✓ No propellants or chemicals
- ✓ Durable sealing, no performance degradation
- ✓ Designed for easy disassembly and recyclable
- ✓ Used PE-foil is insensitive to moisture
- ✓ Applicable for variable opening widths

Scan QR-code for
example video (Dutch)





Sustainable airtight connections in construction

AIRTIGHT® Airtape

AIRTIGHT® Dakvoet (Roof ase)

AIRTIGHT® Airstop



AIRTAPE

With the AIRTIGHT® Airtape, joints between construction elements (10-30mm) can be thermally insulated and sealed airtight.

The patented Airtape is delivered as a vacuum-compressed strip of mineral wool, encased in a vapor-resistant PE film.

Once the vacuum is released, the tape is clamped into the gap: the wool expands and completely and securely fills the entire space between the construction elements.

Airtape is ideal for sealing air leaks in variable cavity widths, commonly found in prefab construction. Thanks to its thick film, the tape is moisture-resistant. Additionally, it accommodates the expansion and contraction of building materials, ensuring long-lasting and durable airtightness of the structure.



AIRTIGHT CONNECTIONS

The AIRTIGHT® Airtape can be used for airtight connections of timber frame/concrete elements or other prefab components, such as:

- Sealing of prefab sandwich panels
- Sealing between roof elements
- Connections of roof elements in party walls
- Connections of façade elements to the concrete construction
- Other joints between construction elements

AIRTIGHTNESS

The AIRTIGHT® Airtape has been tested according to the NEN EN 1026 method and has achieved airtightness class 3-4 (classification according to NEN-EN 12207). This is the highest achievable European airtightness class, demonstrating that the air permeability of joints sealed with AIRTIGHT® Airtape is minimal. Joints made with Airtape contribute to achieving the highest achievable BENG airtightness class (class 3), equivalent to passive building standards.

The mineral wool in AIRTIGHT® Airtape falls into the highest fire safety class (A1). The film used is flame-retardant. For fire-resistant applications that require high fire resistance, we recommend the *FIRETIGHT® Firetape*.

DIMENSIONS

For an airtight seal, the mineral wool must be sufficiently thick to effectively close the gap. Airtape is supplied with adequate excess to ensure a proper airtight closure.

Airtape is available in various lengths.

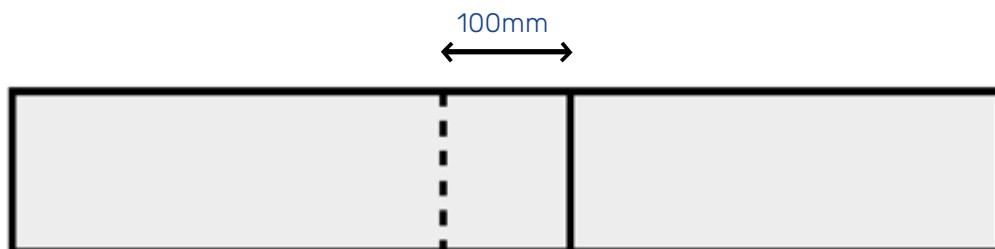


Lenght	Width	Gap	Thickness compressed
1.200 mm	60 mm	10 - 30 mm	10 mm
2.400 mm	60 mm	10 - 30 mm	10 mm
3.000 mm	60 mm	10 - 30 mm	10 mm
6.000 mm	60 mm	10 - 30 mm	10 mm

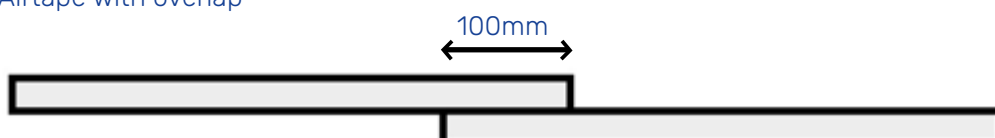
For gaps > 30mm
we recommend the AIRTIGHT® Air Stop.

INSTALLATION

1. Airtape comes equipped with an adhesive strip and is easily attached to the construction or building element in its compressed form, which can be done at the factory.
2. When transitioning to a new roll, a minimum overlap of 100mm must be maintained.
3. After the second building element is placed against the Airtape, the tape should be punctured to allow expansion. This ensures the space between the two elements is sealed airtight.
4. Upon puncturing, the Airtape will immediately begin to expand, securing itself within seconds. The Airtape fully expands within approximately 24 hours. This process ensures the joint achieves class 4 classification, as the mineral wool continues to expand until the gap is completely filled.



Topview, installation Airtape Topview, installation Airtape with overlap



Sideview, installation Airtape with overlap

Alert Isolatie – Your Partner in Building Insulation Solutions

Since 1979, we have been the Dutch insulation specialist for the construction industry. Alert Isolatie supports the sector by addressing insulation challenges. We achieve this by providing (prefab) insulation solutions that meet customer needs as well as regulations related to fire safety, airtightness, sustainability, and the environment.

Experts in prefab insulation

We are happy to provide advice on custom solutions to ensure that your construction project meets the specifications and regulatory requirements.

- ✓ Technische berekeningen en advies
- ✓ Isolatie op maat zagen en frezen
- ✓ Isolatie verlijmen
- ✓ Isolatie sealen

Innovative insulation products

Effective, practical, and tested insulation solutions that meet stringent requirements for thermal performance, fire resistance, airtightness, and environmental sustainability.

Save on insulation

By opting for prefab insulation, you save time, costs, and benefit the environment. This allows you to build more efficiently and sustainably.

Extensive Stock, Flexible Delivery

Alert Isolatie collaborates with specialized partners to ensure that your delivery arrives safely and punctually at the desired (construction) site.

- ✓ Extensive Stock >10,000 m²
- ✓ No minimum pallet purchase
- ✓ Timely deliveries or urgent orders
- ✓ Possible delivery with a pallet truck
- ✓ Packaging by construction phase with clear labeling

BREEAM-NL

BREEAM-NL is the Dutch standard for assessing the sustainability of projects in the built environment. BREEAM-NL provides insight into the actual sustainability performance of a construction project. Alert Isolatie's products can contribute to BREEAM-NL certification for New Construction and Renovation. Visit our website for more information.



Het keurmerk voor verantwoord bosbeheer



Our general terms and conditions apply to all our information, quotes, agreements, deliveries, and services.

For more information, please visit www.alertisolatie.nl

ALERT ISOLATIE

Alert Isolatie
's-Gravelandseweg 246,
3125 BK Schiedam, Nederland

+31 (0)10 - 302 0200
verkoop@alertisolatie.nl
Alertisolatie.nl