

# AIRTIGHT® AIR STOP

For airtight connections between building components, such as party wall cavities or hollow core slab floors.



- ✓ 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)



## AIRSTOP

With **AIRTIGHT® Air Stop**, connections between (prefab) building components can be easily thermally insulated, acoustically decoupled, and made airtight.

AIRTIGHT® Air Stop consists of a vacuum-sealed strip of mineral wool packaged in a vapor barrier PE film. After installation and puncturing the vacuum film, the wool expands, completely and firmly filling the entire space.

### SIMPLE AIRTIGHT CONNECTIONS

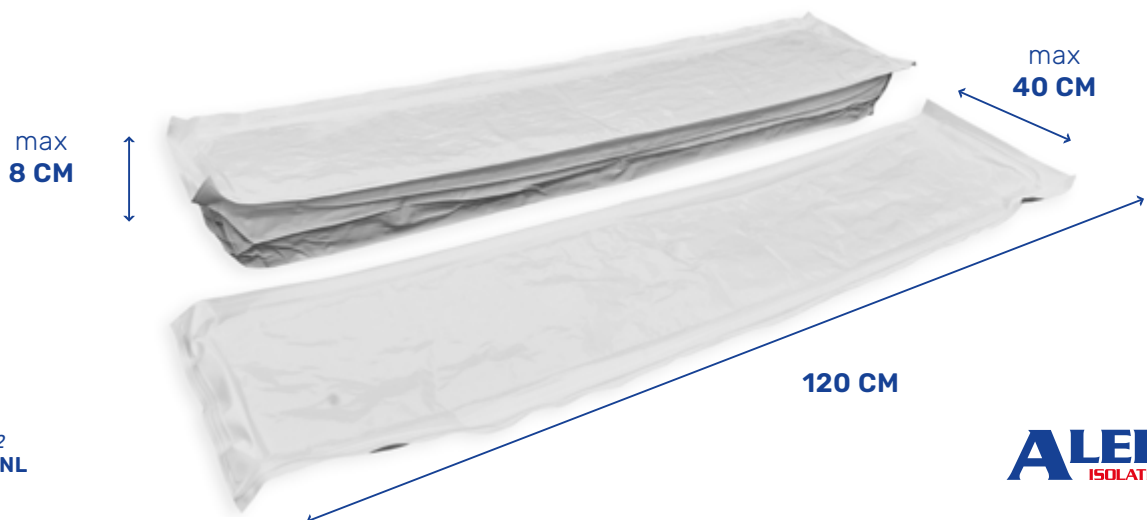
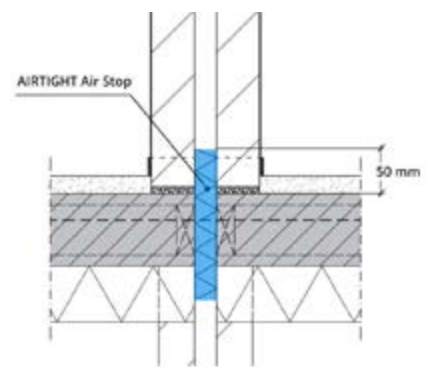
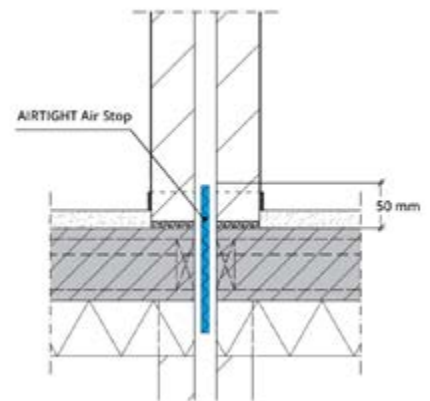
**Wide range of applicability:** AIRTIGHT® Air Stop can be used for airtight and thermal sealing of gaps, joints, and cavities in construction that are larger than 20 mm and/or irregular in shape. Sealing applications include:

- Party wall cavities at façade, floor, and roof connections.
- Hollow core slab floors of the party wall cavity.
- Wooden inner cavity wall on (concrete) construction
- Renovation façades on existing constructions
- Window frames and façades on masonry.
- Wooden (roof) elements on masonry, etc.

**Suitable for variable cavity widths:** Thanks to its unique self-clamping ability, the Air Stop is highly suitable for variable cavity widths. With its high mechanical resistance, the Air Stop ensures a durable airtight seal.

**Easy installation and weather resistant:** The Air Stop is light and thin, making it easy and quick to install. The material is resistant to all weather conditions (even during installation).

**Disassemblable and Recyclable:** The Air Stop can be easily disassembled during demolition and is highly recyclable and reusable.



## Airtightness

The AIRTIGHT® Air Stop, tested according to the NEN EN 1026 method, has an airtightness class 4 (classification according to NEN-EN 12207). This is the highest achievable European airtightness class and demonstrates that the air permeability of the connection made with AIRTIGHT® Air Stop is minimal.

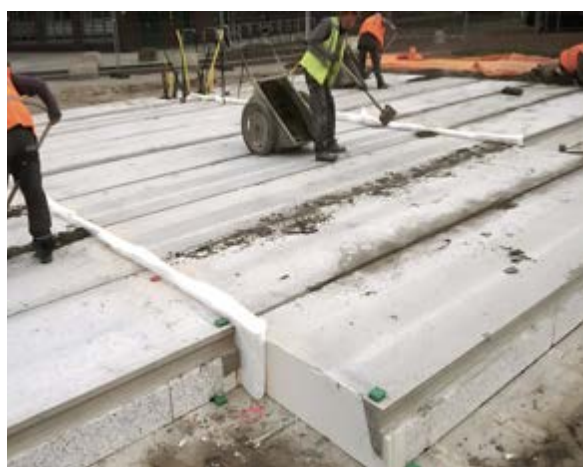
Connections made with Air Stop thus contribute to achieving the BENG airtightness class (class 3), which is equivalent to passive building standards.

Application	qv-10 (dm³/s)	Air Permeability @ 100 Pa in m³/h.m	Airtightness Class*	Classification Norm
AIRTIGHT Air Stop 25 mm gap	0,018	0,11	Class 4	NEN-EN 12207
AIRTIGHT Air Stop 40mm gap	0,07	0,14	Class 4	NEN-EN 12207
AIRTIGHT Air Stop 60mm gap	0,024	0,16	Class 4	NEN-EN 12207

\*Air Permeability: Class 4 - Loss @ 100 Pa < 0,75 m³/h.m  
A complete airtightness report is available upon request.

## Impact Sound / Airborne Sound Insulation

During the assembly and finishing of the concrete construction, the Air Stop prevents the ingress of mortar into the foundation and supports. This prevents the creation of sound bridges in the cavity and ensures that the impact sound insulation remains intact.



## Fire Resistance

The mineral wool in AIRTIGHT® Air Stop is classified as the highest fire resistance class (A1). The used film is flame-retardant.

For fire-resistant applications with higher fire safety requirements, we recommend the FIRETIGHT® Fire Stop.



The AIRTIGHT® Air Stop as an airtight seal between hollow core slab floors.

## DIMENSIONS

The AIRTIGHT® Air Stop can be used in cavities with a width of 20 to 80 mm and a depth of 200 mm or more. The dimensions of the Air Stop are based on the width of the cavity in the detail.

For an effective airtight seal, the mineral wool needs to be adequately thick. Therefore, the AIRTIGHT® Air Stop is always supplied in sufficient excess, at least twice the cavity width.

The Air Stop is available for the following cavity widths:

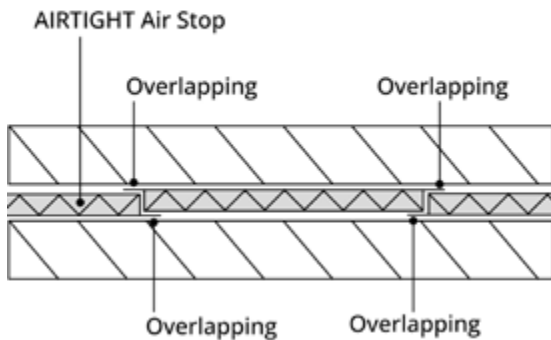
Dimensions	Cavity widths 20- 80 mm	Cavity widths 20 - 60 mm	Unit
	$qv;10 \leq 0,40 \text{ dm}^3/\text{s.m}^2$ - Class 2 (NEN 2687)	$qv;10 \leq 0,15 \text{ dm}^3/\text{s.m}^2$ - Class 3 (NEN 2687)	
1.200 x 250 mm	20 - 40 mm	20- 30 mm	m1
	41 -53 mm	31 - 40 mm	
	54 - 66 mm	41 - 50 mm	
	67 - 80 mm	51 - 60 mm	
1.200 x 300 mm	20 - 40 mm	20- 30 mm	
	41 -53 mm	31 - 40 mm	
	54 - 66 mm	41 - 50 mm	
	67 - 80 mm	51 - 60 mm	
1.200 x 400 mm	20 - 40 mm	20- 30 mm	
	41 -53 mm	31 - 40 mm	
	54 - 66 mm	41 - 50 mm	
	67 - 80 mm	51 - 60 mm	

For airtight connections of <20 mm, we recommend the AIRTIGHT® Air Tape.



The AIRTIGHT® Air Stop during the installation of the party wall.

# INSTALLATION



*De AIRTIGHT® as an airtight seal between the party wall.*



- ✓ Place the AIRTIGHT® Air Stop in the cavity.
- ✓ For hollow core slabs, ensure that the Air Stop extends at least 50 mm above and below the slab when positioning/assembling the walls to ensure contact sound insulation and airtightness.



- ✓ Place a second Air Stop, inverted and tightly against the first one. Use the overlap of the Air Stop film to ensure a good airtight seal at the junction.
- ✓ Puncture the installed Air Stop with a sharp object to make it expand; the product will secure itself in the cavity within seconds. Ensure that the side or bottom is punctured to prevent water ingress.



- ✓ Repeat the steps for all subsequent Air Stops.
- ✓ If necessary, the last piece can be trimmed to size with an insulation knife. Insert the Air Stop into the cavity and cut it with an excess of approximately 10 cm. The Air Stop will expand after cutting; insert the trimmed piece into the cavity.

# 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 m<sup>2</sup>
- ✓ 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](http://www.alertisolatie.nl)*

# ALERT ISOLATIE

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

+31 (0)10 - 302 0200  
[verkoop@alertisolatie.nl](mailto:verkoop@alertisolatie.nl)  
[Alertisolatie.nl](http://Alertisolatie.nl)