

# Airstop Timbertex Airtight Vapour Control Barrier

## DESCRIPTION

This vapour barrier protects the construction from condensation caused by diffusion. It ensures a controlled and regulated diffusion of water vapour through the thermal insulation. Like all of Isocell's membranes products it is extremely durable. **Due to its strength it can be used as a retaining airtight membrane for blown in insulation.** Please follow our product guidelines.

## BENEFITS/USAGE

- Wind and draught-repellent
- Robust and tear-resistant
- Recyclable and environmentally safe
- Airtight
- Easy to install
- Prevents spontaneous condensation
- Controlled vapour diffusion

## APPLICATION

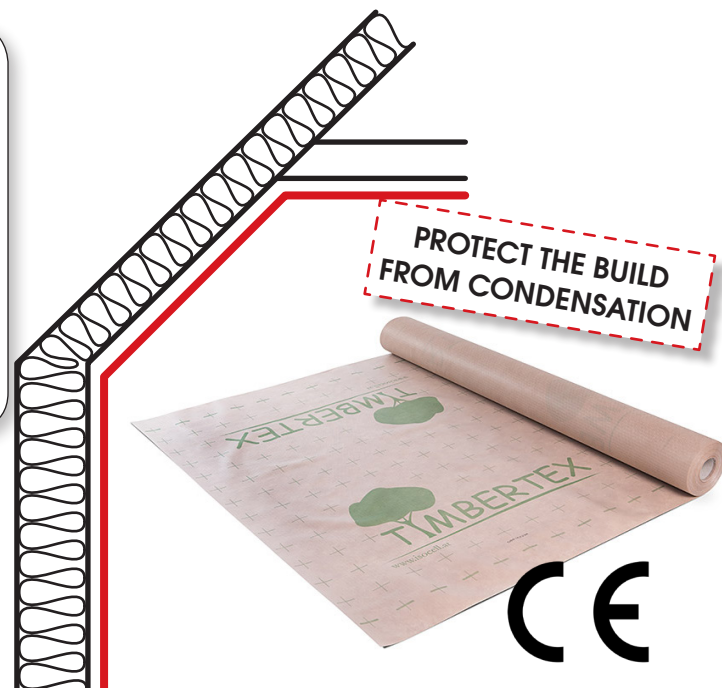
Vapour Barrier is attached to the substrate using a tacker or [Airstop Double-sided Adhesive Tape](#). Please note only the SMOOTH SIDE which has the logo printed on it can be sealed airtight. **The membrane should always be installed with the logo/printed side facing the user.** The overlap must be approx. 10cm. All overlaps and joints must be sealed with [Airstop Adhesive Tape](#) or [Airstop Elasto Adhesive Tape](#). Use [Airstop Adhesive Paste](#) to adhere to perimeter block work. We recommend the use of [Airstop Cable](#) and [Pipe Sleeves](#) or [Butyl Stretch Flex](#) for penetration points.

## PROPERTIES

According to standard EN 13859-2

Composition	PP-fleece		
Roll Width	EN 1848-2	1.50m	3m
Roll Length	EN 1848-2	50m	100m
Roll Area	EN 1848-2	75m	300m <sup>2</sup>
Roll Weight		8kg	30kg
Weight per Unit Area	EN 1849-2	Approx. 100g/m <sup>2</sup>	
Thickness	EN 1849-2	0.5mm	
Temperature Resistance		-40°C to +80°C	
Sd-Value	EN 1931	10m	
Colour		Beige	
Tear Strength	EN 12311-2	Longitudinal 200 N/5cm (-30/+50) Lateral 185 N/5cm (-45/+50)	
Elongation at Maximum	EN 12311-2	Longitudinal 33% (-13/+47) Lateral 75% (-35/+25)	
Nail Tear Strength	EN 12310-1	Longitudinal 110 N (-20/+50) Lateral 155 N (-45/+50)	
Fire Performance	EN 13501-1	E	

**EASY  
INSTALLATION!**



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## GUIDELINES FOR THE USE OF TIMBERTEX VAPOUR BARRIERS

Vapour barriers can be used with wall, roof and ceiling construction elements as an airtight layer and as a vapour retarding layer.

### ATTACHMENT TO THE SUB-SURFACE

#### (1) MECHANICAL ATTACHMENT OF THE VAPOUR BARRIER

The vapour barrier is usually attached transverse to the position of the rafters, joists or beams with the smooth and/or printed side facing the installer. The lengths are fixed mechanically to the construction's wood with approx. 10cm overlap using tacking staples. For metal C-studs a temporary attachment using double-sided adhesive tape or even a spray-on contact adhesive is a possibility.

#### (2) AIRTIGHT ADHESION

Airtight adhesion of the joints, connections and penetration points must be carried out using the AIRSTOP adhesion system.

### Following only required for blown in insulation:

#### (3) TRANSVERSE LATHING / MOUNTED AT INTERVALS

The laths underneath the vapour barrier have to be mounted before the cellulose is blown in. The centre distance shall be less than 40cm. The joints of the vapour barrier also have to be covered by an additional lath. Glued connections and joints that were under tension have to be mechanically secured. The membrane has to be applied without tension.

\*Exception: for AIRSTOP DIVA FORTE distance is 30 cm c-to-c

#### (4) LONGITUDINAL LATHING

When no transverse lathing is used, e.g. if formwork is installed on longitudinal lathing, the vapour barrier must be placed parallel to the rafters or to the construction. The joints must lie on the wood of the construction and be stapled overlapping and sealed using AIRSTOP adhesive tape. Before the insulation is blown in the longitudinal lathing must be mounted to provide mechanical relief of the joints

For detailed solutions please go to [www.airstop.info](http://www.airstop.info) or ask for our brochure "Air-tightness in Detail".

### Recommended accessories

#### AIRSTOP NP ADHESIVE PASTE



#### AIRSTOP ELASTO



#### AIRSTOP FLEX



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