

PRODUCT DATA SHEET

AIRSTOP SD18 Vapour Retarder

A transparent, extremely tear-resistant vapour retarder and airtight layer for wall, roof and ceiling constructions.

**ADVANTAGES**

- transparent
- tear-resistant
- easy to install
- for floor, wall and ceiling

AVAILABLE IN THE FOLLOWING DIMENSIONS

Roll width	1,5 m	3 m
Roll length	50 m	50 m
Roll area	75 m ²	150 m ²
Roll weight	7,4 kg	14 kg

RECOMMENDED PRODUCTS

AIRSTOP ELASTO Adhesive Tape



AIRSTOP FROZEN Adhesive Paste



AIRSTOP FLEX Adhesive Tape



AIRSTOP KB Adhesive Tape









AIRSTOP SOLO Adhesive Tape



AIRSTOP SPRINT Sealant

PRODUCT DATA (EN 13984)

Material composition	PP fleece with PP covering	
Thickness	0,2 mm	
Colour	Transparent grey with green imprint	
Weight EN 1849-2	90 g/m ² (± 10)	
sd-value EN 1931	18 m	
Temperature resistance	-40 °C - 80 °C	
Expandability EN 12311-2	 30 %	 30 %
Tensile strength EN 12311-2	 200 N/50 mm	 160 N/50 mm
Tear propagation resistance EN 12310-1	 250 (-50) N	 240 (-40) N
Storage	cool and dry	
Fire performance EN 13501_1	E	

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INFO

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

(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

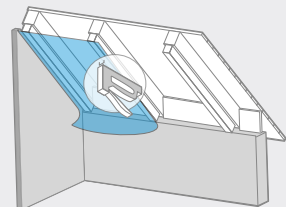
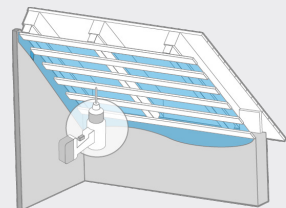
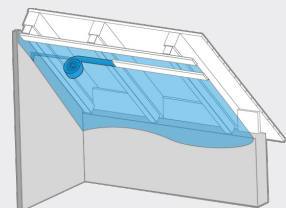
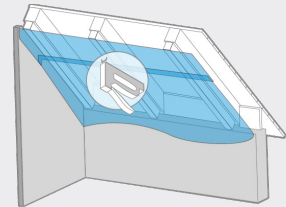
Airtight adhesion of the joints, connections and penetration points must be carried out using the AIRSTOP Adhesion system.

(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 ≤ 30 cm. 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.

(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.



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