Technical data sheet

AIRSTOP VAP Vapour Retarder

Quality vapour retarder sheeting and airtight layer of flame-retardant polyethylene for non-vapour retardant roof, wall and ceiling constructions.

Advantages

- tear-resistant
- easy to install
- hard-wearing
- flame-retardant

Recommended products

	AIRSTOP SOLO Adhesive Tape
	AIRSTOP KB Adhesive Tape
	AIRSTOP ELASTO Adhesive Tape
	AIRSTOP FLEX Adhesive Tape
	OMEGA FROZEN Adhesive Paste
	AIRSTOP SPRINT Sealant

Available dimensions

Article number	Roll width	Roll length	folded to	Rolls / Pallet	Total area
2VAP3	3 m	50 m	1.5 m	35 rolls	5250 m²
2VAP4	4 m	25 m	1 m	54 rolls	5400 m²
2VAP5	5 m	25 m	1.3 m	45 rolls	5625 m²

Technical data

sd-value	> 100 m	Material composition	LDPE
Elongation (EN 12311-1) lengthwise	> 500 %	Elongation (EN 12311-1) crosswise	> 570 %
Tensile strength (EN 12311-1) lengthwise	> 175 N/50 mm	Tensile strength (EN 12311-1) crosswise	> 160 N/50 mm
Tear propagation resistance (EN 12310-1) lengthwise	> 130 N	Tear propagation resistance (EN 12310-1) crosswise	> 135 N
Thickness	0.2 mm	Temperature resistance	-20–60 °C
Working temperature	5–40 °C	Weight	180 g/m²
Colour	Green transparent	Shearing resistance of the connection joints	NDP
Storage	Cool and dry	Fire performance (EN 13501-1 / EN 11925-0)	E

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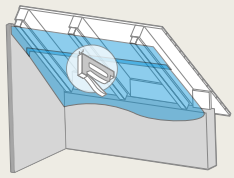
Processing Guideline

AIRSTOP VAP Vapour Retarder

Info

Vapour barriers can used with wall, roof and ceiling construction elements as an airtight layer and as a vapour retarding layer. Airtight membranes and adhesives are generally not permanently UV-resistant and must therefore be covered with cladding or otherwise protected.

(1) Mechanical attachment of the vapour barrier

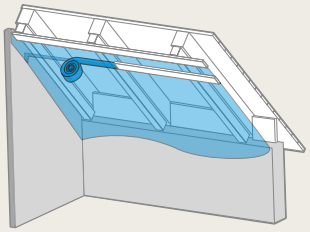


The vapour barrier is usually attached transverse to the position of the rafters, joists or beams with the smooth and/or printed side facing the installer. The lengths are fixed mechanically to the construction's wood with approx. 10cm overlap using tacking staples. For metal C-studs a temporary attachment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

(2) Airtight adhesion

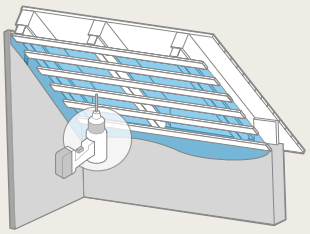
Airtight adhesion of the joints, connections and penetration points must be carried out using the AIRSTOP Adhesion system.

(3) Transverse lathing / Mounted at intervals

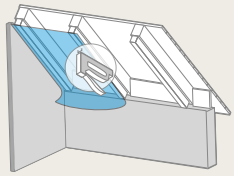


The laths underneath the vapour barrier have to be mounted before the cellulose is blown in. The centre distance shall be less than ≤30 cm. The joints of the vapour barrier also have to be covered by an additional lath. Glued connections and joints that were under tension have to be mechanically secured. 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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