



Technical data sheet

AIRSTOP SD50 Vapour Retarder



Is a vapour retarder for roof and wall constructions.

Advantages

- Imprinted raster
- Easy to deal with

Field of application

- for roof and wall constructions
- for exterior vapour-permeable structural elements
- in the interior

Recommended products

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

Available dimensions

Article number	Roll width	Roll length	Rolls / Pallet	Total area
2SD5031050	3.1 m	50 m	35 rolls	5425 m ²
2SD50310100	3.1 m	100 m	20 rolls	6200 m ²

Technical data

sd-value	50 m	Material composition	PP - fleece with PP - Function film
Elongation (EN 12311-1) lengthwise	50 - 100 %	Elongation (EN 12311-1) crosswise	50 - 100 %
Tensile strength (EN 12311-1) lengthwise	180 N/5 cm (±20)	Tensile strength (EN 12311-1) crosswise	120 N/5 cm (±20)
Tear propagation resistance (EN 12310-1) lengthwise	130 N (±20)	Tear propagation resistance (EN 12310-1) crosswise	180 N (±20)
Temperature resistance	-20-60 °C	Weight	95 g/m ²
Colour	White	Storage	cool and dry
Fire performance (EN 13501-1 / EN 11925-0)	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. 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.

