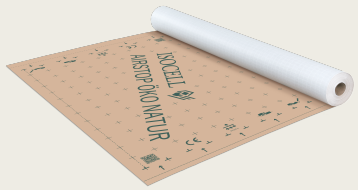

Technical data sheet

AIRSTOP ÖKO Natur Vapour Retarder

A fabric-reinforced paper vapour barrier and airtight layer for non-vapour retardant roof, wall and ceiling constructions. Water vapour can diffuse through the thermal insulation in controlled amounts. Make the sheeting particularly suitable for use in prefabrication in professional timber construction work.

Advantages

- tear-resistant
- healthy living environment

Field of application

- for floors, walls, ceilings and roofs
- in the interior

Recommended products

	AIRSTOP SPRINT Sealant
	AIRSTOP KB Adhesive Tape
	AIRSTOP ELASTO Adhesive Tape
	AIRSTOP SOLO Adhesive Tape
	AIRSTOP FLEX Adhesive Tape

Available dimensions

Article number	Roll width	Roll length	Colour	Rolls / Pallet	Total area
2ISONDBFV1	1 m	50 m	Brown / White	48 rolls	2400 m²
2ISONDBFV	1.5 m	50 m	Brown / White	30 rolls	2250 m²
2ISOFHN	3 m	50 m	Brown / Brown	24 rolls	3600 m²

Technical data

sd-value	6.45 m	Material composition	Two layers of kraft paper with tear-resistant fabric between
Elongation (EN 12311-1) lengthwise	≥ 4 %	Elongation (EN 12311-1) crosswise	≥ 7,5 %
Tensile strength (EN 12311-1) lengthwise	≥ 580 N/50 mm	Tensile strength (EN 12311-1) crosswise	≥ 390 N/50 mm
Tear propagation resistance (EN 12310-1) lengthwise	≥ 80 N	Tear propagation resistance (EN 12310-1) crosswise	≥ 90 N
Thickness	0.25 mm	Temperature resistance	-30–80 °C
Weight	175 g/m²	Colour	Brown
Water Vapour Transmission	31,5 Metric Perms (ng/Pa*s*m²)	Storage	cool and dry
Fire performance (EN 13501-1 / EN 11925-0)	E		

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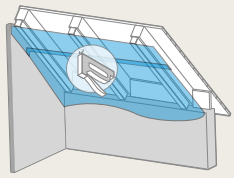
Processing Guideline

AIRSTOP ÖKO Natur 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

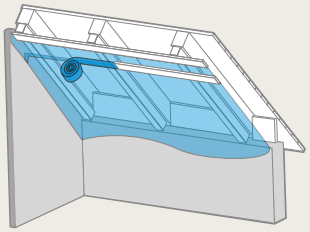


The vapour barrier is usually attached transverse to the position of the rafters, joists or beams with the smooth and/or printed side facing the installer. The lengths are fixed mechanically to the construction's wood with approx. 10cm overlap using tacking staples. For metal C-studs a temporary attachment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

(2) Airtight adhesion

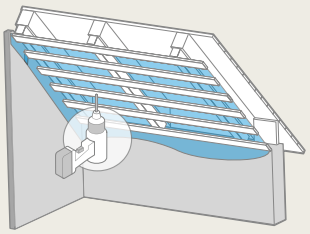
Airtight adhesion of the joints, connections and penetration points must be carried out using the AIRSTOP Adhesion system.

(3) Transverse lathing / Mounted at intervals

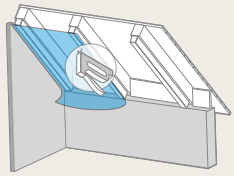


The laths underneath the vapour barrier have to be mounted before the cellulose is blown in. The centre distance shall be less than ≤30 cm. The joints of the vapour barrier also have to be covered by an additional lath. Glued connections and joints that were under tension have to be mechanically secured.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