ÖKO-NATUR Vapour Barrier

A fabric-reinforced paper vapour barrier and air-seal layer for roof, wall and ceiling constructions for all non-vapour retardant installations. Water vapour can diffuse through the thermal insulation in controlled amounts. Fabric reinforcement guarantees high tear-resistance.

ADVANTAGES

- regulates moisture
- for blow-in work behind paper
- tear-resistant
- healthy living environment
- for floor, wall and ceiling

AVAILABLE IN THE FOLLOWING DIMENSIONS

Roll width	1,0 m
Roll length	50 m
Roll area	50 m^2
Roll weight	8,7 kg

PRODUCT DATA ACCORDING TO STANDARD EN 13984

Composition	1 layer white cellulose fleece bonded with a layer of Kraft paper and tear-resistant fabric between
Weight per unit area EN1849-2	180 g / m^2 (± 14)
Thickness EN1849-2	0,25 mm
Temperature resistance	- 30 °C - + 80 °C
Storage	cool and dry
Sd-value EN 1931	6,45 m (-1,95)
Colour	brown with green ÖKO-NATUR imprint/white on insulating side
Tear strength EN 12311-1	≥ 480 N/50 mm ≥ 390 N/50 mm
Elongation at maximum EN 12311-1	≥ 2 % ≥ 7,2 %
Nail tear strength EN 12310-1	≥ 80 N ≥ 100 N
Fire class EN 13501-1 / EN 11925-2	E

RECOMMENDED ACCESSORIES


AIRSTOP FLEX Tape


AIRSTOP Tape


AIRSTOP ELASTO Tape


AIRSTOP SPRINT

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GUIDELINES FOR THE USE OF AIRSTOP VAPOUR BARRIERS

Vapour barriers can 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.

(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.isocell.at or ask for our brochure "Air-tightness in Detail".

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