



AIRSTOP 1500

An extremely tear-resistant vapour barrier for use in the air-tight and vapour-tight layer in roof and wall constructions. When professionally installed it can prevent the ingress of vapour into the construction even where there is very high moisture load.







ADVANTAGES

- vapour-tight
- simple installation
- high tear-resistance
- resistant

AVAILABLE IN THE FOLLOWING DIMENSIONS

Roll width	1,5 m
Roll length	50 m
Roll area	75 m ²
Roll weight	21,25 kg

PRODUCT DATA ACCORDING TO STANDARD EN 13984

Composition	LDPE multi-layer film with fleece coating
Weight per unit area EN1849-2	270 g / m ²
Temperature resistance	- 40 °C - + 80 °C
Storage	cool and dry
Sd-value EN 1931	1500 m
Colour	metallic green with imprint
Tear strength EN 12311-1	 450 N / 50 mm (-250/+50)  430 N / 50 mm (-250/+50)
Elongation at maximum EN 12311-1	 20 % (-5/+30)  20 % (-5/+30)
Tear growth resistance EN 12310-2	 430 N (-280/+50)  450 N (-270/+50)
Fire performance EN 13501-1	E

RECOMMENDED ACCESSORIES

-  **AIRSTOP FLEX** Tape
-  **AIRSTOP ELASTO** Tape
-  **AIRSTOP** Tape

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GUIDELINES FOR THE USE OF AIRSTOP VAPOUR BARRIERS

Vapour barriers can be 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".

ISOCELL GmbH

GewerbestraÙe 9
5202 NEUMARKT AM WALLERSEE | Österreich
Tel.: +43 6216 4108 | Fax: +43 6216 7979
office@isocell.at

ISOCELL SCHWEIZ AG

Herbergstrasse 29
9524 Zuzwil | Suisse /Schweiz
Tel.: +41 71 940 06 72
office@isocell.ch

ISOCELL FRANCE

170 Rue Jean Monnet | ZAC de Prat Pip Sud
29490 GUIPAVAS | France
Tel.: +33 2 98 42 11 00 | Fax: +33 2 98 42 11 99
contact@isocell-france.fr

ISOCELL BUREEL BELGIË

Außenborner Weg 1 | Schoppen
4770 Amel | Belgique
Tel.: +32 80 39 90 58 | Fax: +32 80 39 97 68
office@isocell.be

ISOCELL Sverige AB

Box 20059
161 02 BROMMA | Sverige
Tel.: +46 10 130 25 00
info@isocell.se

www.isocell.com