

PRODUCT DATA SHEET

AIRSTOP SD50 Vapour Retarder

Is a vapour retarder for roof and wall constructions.

FIELD OF APPLICATION

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

ADVANTAGES

- Imprinted raster
- Easy to deal with







RECOMMENDED PRODUCTS

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

AVAILABLE IN THE FOLLOWING DIMENSIONS

Roll width	3,1 m	3,1 m
Roll length	50 m	100 m
Roll area	155 m ²	310 m ²
Roll weight	16 kg	31 kg

PRODUCT DATA (EN 13984)

Material composition	PP - fleece with PP - Function film	
Colour	White	
Weight EN 1849-2	95 g/m ²	
sd-value EN 1931	50 m	
Temperature resistance	-20 °C - 60 °C	
Expandability EN 12311-2	 50 %	 40 %
Tensile strength EN 12311-2	 >100 N/200 mm	 >100 N/200 mm
Tear propagation resistance EN 12310-1	 > 100 N	 > 100 N
Storage	cool and dry	
Fire performance EN 13501_1 / EN 11925_2	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.

(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

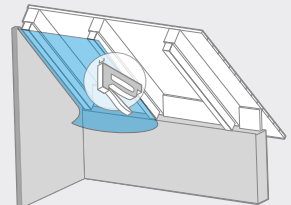
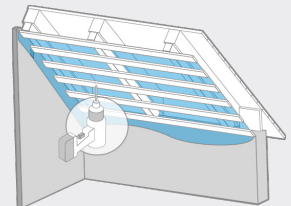
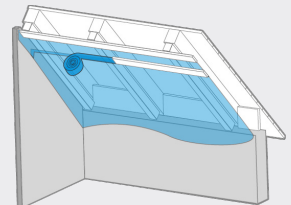
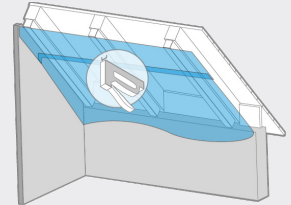
Airtight adhesion of the joints, connections and penetration points must be carried out using the AIRSTOP Adhesion system.

(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.



ISOCELL GmbH & Co KG

Gewerbestraße 9
5202 NEUMARKT AM WALLERSEE | Österreich
Tel.: +43 6216 4108
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
Tél.: +33 2 98 42 11 00
contact@isocell-france.fr

ISOCELL BUREEL BELGIË

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

ISOCELL Sverige AB

Torshamnsgatan 35
164 40 KISTA | Sverige
Tel.: +46 10 130 25 00
info@isocell.se

ISOCELL
www.isocell.com