PRODUCT DATA SHEET

VAPOUR BARRIER DB 140

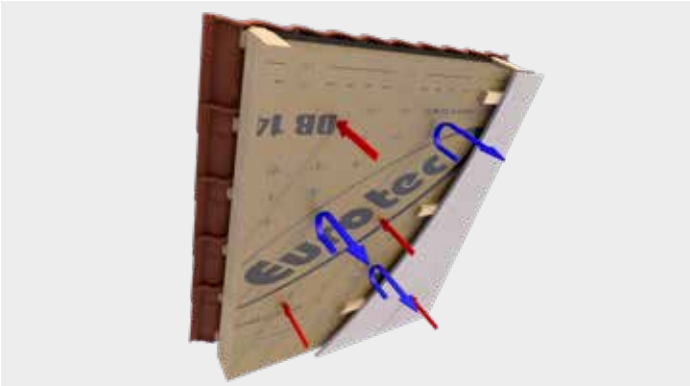
PRODUCT DESCRIPTION

The Vapour Barrier DB 140 is an active three-layer vapour barrier. It is made of two non-woven polypropylene fabric layers and one barrier film layer that prevents **moisture from entering the roof void or interior of a building** and, if required, from entering the interior of a building from the **roof void.** The membrane acts as a barrier by helping to transport moisture away, which standard damp proofing membranes do not always do.
The Vapour Barrier DB 140 is designed for use as a vapour barrier in **residential and industrial construction** and **protects roof voids by preventing excessive amounts of moisture** penetrating into the insulation from the building's interior. Thanks to its barrier action, the membrane **also** prevents **the formation of mould** in the roof void due to an excess of moisture and hence protects construction timbers from decay.

ADVANTAGES/FEATURES

- Controls moisture
- Tear resistant
- UV resistant
- Quick and easy to install
- With two strips of self-adhesive tape

APPLICATION IMAGE



The membranes integrated in the vapour barrier are designed to protect insulation from being penetrated by water vapour.
The vapour barrier's unique properties allow it to actively control moisture transport, which prevents condensation and associated damage to timber structures.

In roof renovation, the DB140 can also be laid in loops.

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PRODUCT TABLE

Art.-No.	Product description	Dimensions [mm]	PU
954201	Vapour Barrier DB 140	140 g/m²; 1.5 m x 50 m	30

KEY FEATURES

Grammage	ca. 140 g/m²	**Water vapour permeability**	3000 g/m²/24h
SD value	≥ 8 m +/- 2 m	**UV stability**	4 months*
Water permeability	W1	**Roll coverage**	75 m² (1.5 m x 50 m)
Pallet	50 Rolls	**UV exposure**	4 weeks

*According to the accelerated laboratory ageing test results, the barrier is UV stable for up to 4 months under average Central European sun exposure levels.

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TECHNICAL INFORMATION

Properties	Standards	Values
Grammage	EN 1848-2	Approx. 140 g/m²
Product structure	-	3-layer PP vapour barrier
Roll length	EN 1848-2	50 m
Roll width	EN 1848-2	1.50 m
Fire behaviour	EN 11925-2	Class E
Watertightness	EN 1928	W1
SD value	EN 1931	Approx. 8 m
Temperature application range	-	-30 °C to +70 °C
Outdoor exposure period when used as temporary roofing	-	2 weeks
UV stability	-	4 months
Tear resistance, longitudinal	EN 12311-1	200 N/5 cm (+- 50 N)
Tear resistance, transverse	EN 12311-1	140 N/5 cm (+- 50 N)
Elongation, longitudinal	EN 12311-1	40% (+- 20%)
Elongation, transverse	EN 12311-1	40% (+- 20%)
Tear propagation, longitudinal	EN 12310-1	110 N/5 cm (+- 50 N)
Tear propagation, transverse	EN 12310-1	110 N/5 cm (+- 55 N)
Flexibility at low temperatures	EN 1109	Stability at -20 °C
CE marking / DOP	EN 13984	Included

INSTRUCTIONS FOR USE

The vapour barrier is designed for use as a control layer to protect insulation from being penetrated by moisture. The barrier **actively controls moisture transfer,** thus preventing condensation and the associated damage to timber structures. We recommend sealing and joining overlapping sheets with our special Eurotec Uni-Tape adhesive tape.
For use as a vapour barrier in roof voids and for protecting building interiors from moisture. The barrier's active properties also prevent mould growth and condensation from forming in the roof void, thus protecting construction timbers from decay. We strongly recommend joining the overlapping strips with adhesive tape to create effective seals around joints and structural roof components. Our Eurotec Uni-Tape meets all of the requirements for **creating proper and durable seals and joining the membrane sheets in all weather conditions:** in high humidity conditions, in strong winds, rain, at low temperatures and if membranes are covered in dust. Always use the overlap line, which is at least 10 cm from the membrane edge, as a guide.

If you are not familiar with how this product is used, and particularly with the product's intended use, please contact our Application Technology department (technik@eurotec.team).

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