
Kalzip® PE vapour control layer with integrated self-adhesive tape

Product datasheet

The product

Kalzip PE vapour control layer is a polyethylene vapour barrier film in accordance with DIN EN 13984, Type A.

Product advantages

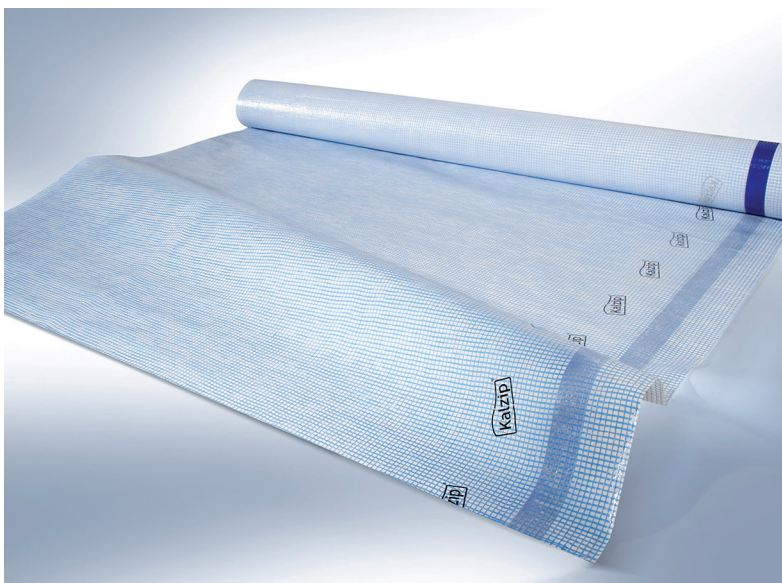
- Meets the requirements of industrial building regulations and DIN 18234-1 for industrial roofs with steel trapezoidal sheet construction
- Timesaving and easy installation thanks to a large roll width (200 cm) and integrated self-adhesive tape
- Universal application
- Vapour barrier according to DIN 4108-3 ($s_d > 130$ m)
- Clean and quick to lay

Area of application

Kalzip PE vapour barrier is used as a vapour and air barrier for mechanically secured or loose-laid thermally insulated roof structures, preferably on a sub-construction made of steel trapezoidal sheet.

Processing

Kalzip PE vapour barrier is laid stress-free and with a minimum of 10 cm longitudinal and transverse seam overlap onto the steel trapezoidal support structure. The longitudinal seam is bonded with an integrated self-adhesive tape (acrylic-based) for quick, clean bonding. The self-adhesive tape should not be installed when wet as this will cause adhesion problems.



The self-adhesive tape is provided one edge of the roll and at the transverse joints should be sealed with suitable double-sided adhesive tape in the overlap or by over sticking in the middle. At connections the sheeting is taken up to the top edge of the thermal insulation and a vapour- and airtight join is made with bonding tapes.

The PE vapour barrier should be installed under the following temperature conditions:

- Air temperature: min. 5° C.
- Temperature of sub-construction: min. 5° C.
- Material temperature of the Kalzip vapour barrier: min. 5° C.
- Can be laid at temperatures < 5 °C provided sub-construction is preheated.

Additional information

Note professional association regulations for use. Kalzip PE vapour barrier is not suitable for installation on concrete surfaces.

Storage instructions

Kalzip PE vapour barrier should be stored in a cool dry place. At colder times of the year the rolls should be stored in a frost-proof temporary store immediately before installation.

Disposal instructions

Kalzip PE vapour barrier (European waste catalogue EWC number 17 02 03 "Plastic") can be supplied to thermal recovery without risk to the environment.

Technical data

Thickness	[µm]	approx. 200
Weight	[g/m ²]	approx. 200
Dimensions	[m]	approx. 2 x 50
Weight of a roll	[kg]	approx. 20
Longitudinal tear strength	[N/5cm]	400
Lateral tear strength	[N/5cm]	400
Fire behaviour according to EN 13501-1		E
Water vapour permeability EN 1931 (sd)	[m]	> 130
Dimensions and delivery units		2.0 m x 50.0 m per roll 50 rolls / pallet
Acrylic-based bonding tape	[mm]	Roll: 60 x 25,000
Tested according to DIN 13984		

Numerical values are, unless otherwise indicated, reference values which correspond to the average values of the statistical quality control. All details are given to the best of our knowledge and in good conscience. However they do not represent any guarantee. We reserve the right to make changes in the interests of progress or production. Date: November 2011

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