

Kalzip® Vapour Barrier

Technical data sheet 10/06 – 2-001

The Product

The Kalzip® vapour barrier is a cold-bond, self-adhesive, elastomeric bitumen vapour barrier strip with an alkali resistant aluminium combination inlay. Production method and self-monitoring by the manufacturer are certified according to EN ISO 9001.

Product Advantages

- Self-adhesive
- Clean and quick to install
- Rigid
- Vapour-tight and air-tight

Areas of application

It is recommended that the Kalzip® vapour barrier is used as a vapour barrier strip on steel trapezoidal sheets in accordance with the local directives and standards.

Method of installation

Following removal of the separating foil on the underside, the self-adhesive Kalzip® vapour barrier is cold-bonded to the base with an 8 cm seam and joint overlap. The seam overlap should be cold-bonded under pressure to the top flange of the steel section.

Installation instructions

To achieve correct adhesion, the surfaces which are to be bonded must be dry, dustfree and clean.



Steel trapezoidal sheets must be either plastic coated or pre-coated. The Kalzip® vapour barrier should only be installed in the following temperature conditions:

- Ambient air temperature: min. 5 °C
- Temperature of substructure: min 5 °C
- Material temperature of vapour barrier: min. 5 °C.
- Installation is possible at < 5 °C by prewarming the substructure or vapour barrier.

Storage instructions

The Kalzip® vapour barrier must be protected against heat and moisture during storage. In the cold season, the rolls should only be taken out of the frost-protected intermediate storage location and transported to the installation site just before the installation work is carried out. The vapour barrier can be installed up to 1 year after production.

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Technical Data

Thickness	[mm]	approx. 1.20
Weight	[kg/m ²]	approx. 1.20
Dimensions	[m]	approx. 1.00 x 25.00
Roll weight	[kg]	approx. 29
Underside	cold-bond, self-adhesive, elastomeric bitumen with tear-off separating foil	
Upper side	rigid, alkaline resistant aluminium combination inlay	
Behaviour in fire		B2
Heat resistance	[°C]	up to + 100
Cold bending behaviour	[°C]	up to - 30
Vapour lock value $s_d = \mu \times s$	[m]	> 1500
Maximum tensile strength	N/5 cm	approx. 400
Elongation at maximum tensile strength	[%]	approx. 4

Tested in accordance with DIN 52123

Unless otherwise stated, the numerical values are nominal values which correspond to the mean values of statistical quality control. All information contained in this publication is provided to the best of our knowledge and is based on our experience and studies. However, this cannot be regarded as a guarantee. We reserve the right to make any changes which we feel are necessary in terms of progress and manufacturing technology.

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Corus Bausysteme GmbH
August-Horch-Str. 20-22 · D-56070 Koblenz
Postfach 10 03 16 · D-56033 Koblenz
T 02 61 - 98 34-0 · F 02 61 - 98 34-100
kalzip@corusgroup.com
www.kalzip.com