

Application example

Aluminium Vapour Barrier (HPL)

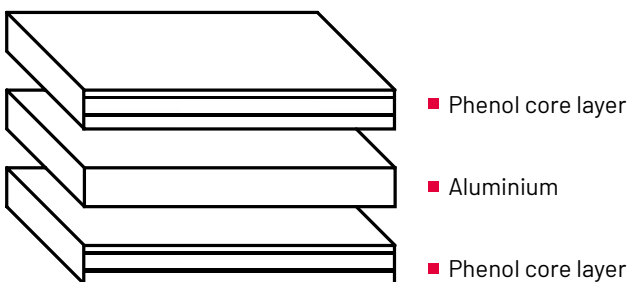
Product Description

DEKODUR Aluminium Vapour Barrier is a 1.2 mm thick laminate sanded on both sides. Its central layer is made of aluminium and has a thickness of 400µ (0.4 mm). The individual components' specific configuration makes DEKODUR Aluminium Vapour Barrier impervious to vapour and diffusion.

DEKODUR Aluminium Vapour Barrier meets the requirements of DIN EN 1121 - climate category III as well as the European requirements of EN 1530 - Class 2d. DEKODUR Aluminium Vapour Barrier is thus ideal for use in doors and fitting between wooden materials which are to be veneered, painted or foil-coated.

Not only does DEKODUR Aluminium Vapour Barrier protect against vapour diffusion, but it offers good dimensional and geometrical stability. When used in combination with wooden materials, DEKODUR Aluminium Vapour Barrier can be processed using commercially available class D3/4 or D4/1 polyvinyl acetate (PVAc) dispersions. Using contact, hot-melt or construction adhesive systems, our vapour barrier may also be used as a decorative layer on top of decorative laminates (HPL), aluminium or stainless steel.

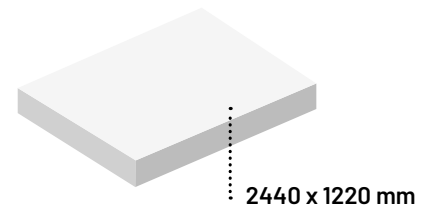
The **aluminium vapour barrier** consists of the following layers:



Form of Delivery and Quality

The aluminium vapour barrier is delivered in the following dimensions:
2.440 x 1.220 mm.

According to DIN EN 438, the limit deviations for the length and width tolerances must be **- 0 mm u. + 10 mm.**



Applications and Processing

The aluminium vapour barrier can be sawn, milled and drilled with carbide-tipped tools.

When gluing the aluminium vapour barrier in flat presses, **the maximum temperature must not exceed 60°C.**

Storage

Aluminium vapour barrier laminates must be stored in a fully flat and horizontal position with a **distance of 200 mm to the ground** in a closed room at **temperatures between 18°C and 25°C** and **50-60% relative humidity.**

The laminate stacks must be:

- protected against moisture
- kept away from direct sunlight
- kept away from hot air flows

Should it be impossible to store the laminates in a horizontal position, we recommend an inclination angle of approx. 80° with support across the entire laminate surface and a counter weight at the bottom.



Disposal

- Aluminium vapour barrier waste can be **burned** in officially approved industrial combustion plants.
- Aluminium vapour barrier waste can be **deposited** in landfills in compliance with the local waste legislation.
- According to TA-Abfall (technical regulations for waste disposal), as amended on 28 March 1991, Category I, No. 571, HPL waste is classified as "other hardened plastic waste". Category I means that a certain material is similar to household waste.

Do you have questions?

If you have any questions about the use of DEKODUR Aluminium Vapour Barrier, please feel free to get in touch with our sales and applications engineering teams.

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