

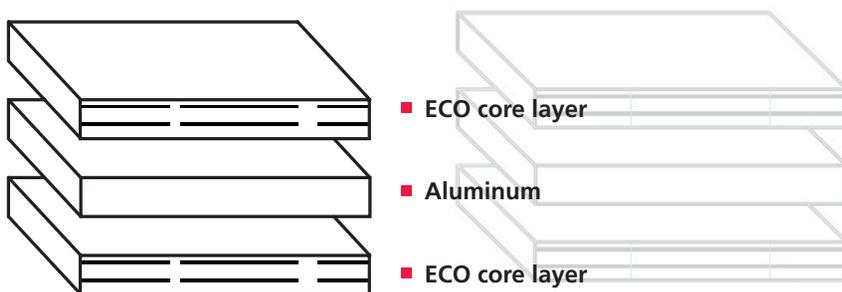
Product Description

DEKODUR Aluminum Vapour Barrier is a 1.2 mm thick laminate sanded on both sides. Its central layer is made of aluminum and has a thickness of 300μ (0.3mm). The individual components' specific configuration makes DEKODUR Aluminum Vapour Barrier impervious to vapour and diffusion.

DEKODUR Aluminum Vapour Barrier meets the requirements of DIN EN 1121-climate category III as well as the European requirements of EN 1530-Class 2d. DEKODUR Aluminum 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 Aluminum Vapour Barrier protect against vapour diffusion, but it offers good dimensional and geometrical stability. When used in combination with wooden materials, DEKODUR Aluminum 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), aluminum or stainless steel.

The DEKODUR Aluminum Vapour Barrier consists of the following layers:



Sustainability and environmental protection

The DEKODUR aluminum vapor barrier sets new standards in terms of sustainability:

The 300μ thick aluminum middle layer consists of 75% high-quality recycled aluminum.

The vapor barrier is also available in an environmentally friendly ECO version.

This innovative version is manufactured completely without phenol and formaldehyde and instead uses core layers made from 100% organic, renewable raw materials.

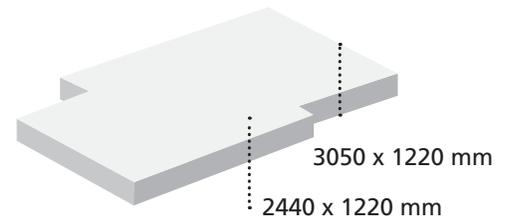
The ECO version achieves formaldehyde emission values of 0.025 ppm and <0.005 ppm in accordance with EN DIN 16516 and is therefore well below the limit values of the Chemicals Prohibition Ordinance.

It retains all the technical properties of the standard version and is ideal for use in sustainable construction projects.

Form of Delivery and Quality

The Aluminum vapour barrier is delivered in the following dimensions: 2440 x 1220 mm and 3050 x 1220 mm.

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



Applications and Processing

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

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

Storage

Aluminum 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

- Aluminum vapour barrier waste can be burned in officially approved industrial combustion plants.
- Aluminum 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 Aluminum Vapour Barrier, please feel free to get in touch with our sales and applications engineering teams.

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