

# PREMIUMBOARD VAPOR P5

THE WATER VAPOR  
RESISTANT, STIFFENING  
AND AIRTIGHT HIGH-TECH  
PANEL



MAKE  
YOUR  
VISIONS  
WORK.

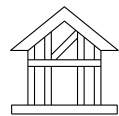
# PREMIUMBOARD VAPOR P5

## The new, alternative technology for timber construction

With optimised designs and the very latest production innovations, PremiumBoard Vapor P5 meets the high demands in respect of building physics in timber construction. At the same time as contributing to a reduction in the need for building materials that are detrimental to the climate and produced from fossil raw materials such as a plastic membranes.



Wood particleboard Type P5 in accordance with EN 312, for load-bearing boards for use in humid conditions and with increased water vapor diffusion resistance.

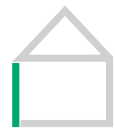


### Applications

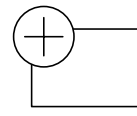
- Wall panelling, interior and roof bracing



Roof



Wall



### Properties

- Vapor barrier: Constant, high resistance to water vapor diffusion /  $\mu$  of 300 wet and  $\mu$  of 600 dry
- Surface with fine shavings
- Airtight up to a pressure difference of 150 Pa (in accordance with DIN EN 12114:2000-04)
- Isotropic forces in the longitudinal and transverse directions
- Assembly with nails and standard staples

### Dimensions PremiumBoard Vapor P5 – Number of units per package

Product	Format in mm	Edge profile	Thickness in 13 mm
PremiumBoard Vapor P5	2.800/3.300 x 1.196	straight	60

Other formats and thicknesses on request

**Slab, groove and strip and other formats on request.**  
**Ask us: Tel.: +44 (0) 16 25 660 410 · info-uk@pfleiderer.com**



### Benefits over OSB

- Can be used in any direction
- 80 % higher bending strength
- 50 % higher water vapor resistance factor
- 33 % lower thickness swelling value
- 5 % slower burn rate
- Format adjustments are possible
- The complete solution: Stiffening, airtightness and vapor barrier in a single product
- Constant and durable airtightness / no risk of membrane tearing
- No laying direction
- Use of high-quality recycled wood



### Environmental benefits

- Allows constructions without a vapor barrier based on fossil raw materials.

### Materials used

- This product consists of FSC- or PEFC-certified materials, as well as other verified and recycled materials.



### Mechanical and physical properties

#### PremiumBoard Vapor P5

Material properties	Thickness in mm > 12 to 13 mm
Mean density (EN 323) in kg/m <sup>3</sup>	800
Bending strength (EN310) in N/mm <sup>2</sup> *	18
Internal bond (EN319) in N/mm <sup>2</sup> *	0,45
Bending modulus of elasticity (EN310) in N/mm <sup>2</sup> *	2.550
Swelling in thickness, 24 h (EN317) in %*	11
Internal bond after boil test (EN 1087-1) in N/mm <sup>2</sup>	0,15
Reaction to fire (EN 13986)	D-s2, d0
Thermal conductivity (EN 13986)	0,12 W/mK
Class, formaldehyde release (EN 717-1)	≤ 0,05 ppm
Service class (DIN 1052)	1 & 2
Water vapor permeability $\mu$ wet cup/dry cup (DIN EN ISO 12572:2017-05)	300/600
Air permeability – 50 Pa (DIN EN 12114:2000-04)	0 m <sup>3</sup> /(m <sup>2</sup> h)

\* PremiumBoard Vapor P5 is produced in accordance with standard DIN EN 312 P5. The values indicated correspond to the stated minimums from our production and serve as reference values.

License code FSC® : FSC® C011773  
 License code PEFC : PEFC/04-32-0828



**Decor Scanner**  
workapp.pfleiderer.com



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**Pfleiderer uses wood from Certified Sustainable Forest Management.**



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**MADE IN GERMANY**

**Good to know: the Pfleiderer quality promise.**

Pfleiderer wood-based panels stand for quality without compromise. We use sustainable raw materials and state-of-the-art production processes and we are fully committed to our site in Germany. For more information, visit [quality.pfleiderer.com](http://quality.pfleiderer.com).

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