

Durelis Vapourblock

Airtight and moisture-resistant racking board with integrated vapour barrier

Durelis Vapourblock is a Durelis board with an industrially applied, transparent vapour barrier on one side. Thanks to this technology, the Vapourbock vapour barrier has a constant μ value of 510 over the whole surface of the board. This surface ensures that the board is extremely airtight (< 0.001 $m^3/m^2/h/Pa$ at 50Pa-12mm). It is important to always seal all joints and cracks with suitable airtight tape. Durelis Vapourbock boards can be used in service class 2 (limited temperature and atmospheric humidity), in biological hazard classes 1 and 2 of EN Standard 335-3.

Applications

- Roofs
- Walls

Characteristics

- Product class P5
- Structural Applications
- Moisture resistant
- Vapour retardant
- Tongue-and-groove joints (optional)
- Airtight
- Lacquered



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Applications

Durelis Vapourblock is an ideal solution for applications in timber-frame construction and in low-energy passive house building. Using Durelis Vapourblock on the inside of a building offers the advantage of combining an air barrier, vapour barrier and structural reinforcement, all combined in a single layer of board.

Technical specifications

General characteristics + Standard	Unit	Average values	
Thickness EN 324-1	mm	12	15
Moisture level EN 322	%	6-10	6-10
Airtightness at 50 Pa EN 13829	$m^3/m^2/h/Pa$	<0,001	<0,001
Thermal insulation value EN 13986	W/m.K	0,14	0,14
Sound absorption coefficient EN 13986		250-500 Hz: 0,10	1000-2000 Hz: 0,25
Water vapour permeability EN 240		510	510
Reaction to fire class EN 13501-1		D-s2,d0	D-s2,d0

Technical characteristics + Standard		5/95 percentile values	
Bending strength EN 310	N/mm^2	18	16
Internal bond EN 319	N/mm^2	0,45	0,45
Bending stiffness EN 310	N/mm^2	2550	2400
Swelling/24h EN 317 Option1	%	11	10
Internal bond after cyclic test EN 321-1 Option1	N/mm^2	0,25	0,22
Swelling after cyclic test EN 321-1 Option1	%	12	12

Durelis Vapourblock comes under formaldehyde emission class E1 and meets the general requirements as described in Table 1 of EN Standard 312.

Available dimensions and thicknesses

Durelis Vapourblock is available from stock.
Consult the complete UNILIN Panels stock range at www.unilinpanels.com.

For our technical capabilities on custom thicknesses and dimensions, as well as minimum order requirements, please contact our sales team or email info.panels@unilin.com.

Certificates

UNILIN Division Panels is actively committed to sustainable forest management. Durelis Vapourblock is available on demand with PEFC and FSC®-labels.

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