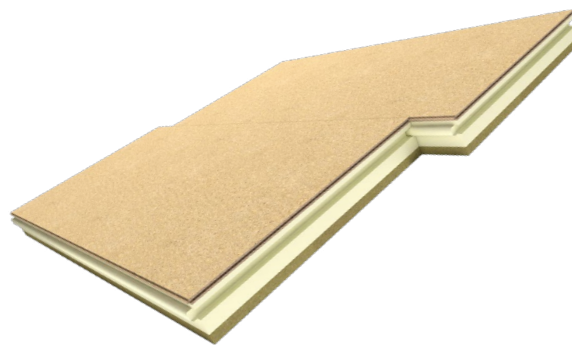


Technical data

LINITHERM PAL HWM

Over-rafter Insulation system



Property	Formula symbol	Unit	Parameter and measured value	Standard
Material	–	–	Polyurethane rigid foam, coated with aluminium film on both sides	EN 13165
Application type	–	–	DAD	DIN 4108-10
Gross density	ρ	kg/m ³	≥ approx. 33	–
Fire behaviour	–	–	Class E or normally inflammable	EN 13501-1
Thermal conductivity (D)	λ_B	W/(mK)	0.023	DIN 4108-4
Thermal conductivity (EU)	λ_D	W/(mK)	0.022	EN 13165
Compressive stress	σ_{D10}	N/mm ² kPa	≥ 0.12 (at 10 % compression) ≥ 120	EN 826
Specific thermal capacity	c	J/(kg·K)	1400	EN 12524
Water vapour diffusion equivalent air layer thickness	s_d	m	> 1500	EN 12524
Water absorption of polyurethane rigid foam after 28 days of sub-water storage	–	Vol-%	1.0 to 2.5	EN 12087
Resistance of polyurethane rigid foam	–	–	Chemically resistant to petrol, diesel mineral oil, micro-organisms, mould, rot-proof	–
Thickness grades	–	mm	80, 100, 120, 140, 160	–
Edge connection	–	–	Tongue & groove pressfit joints on all sides, derived wood panel with T&G and 2 mm expansion joint	–
Overlap	–	mm	2420 × 580 (= calculation measurement)	–

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Declaration of Performance
001-LICPR-200801
www.linzmeier.de/downloads



DIN EN 13165
Inspection: 0751 FIW München



Meets the OGP requirements for prevention of hazardous substances in insulation. "pure life" is a seal of approval issued by the OGPU association.

* „pure life“-certification applies to PU insulation board

Linzmeier Bauelemente GmbH

Industriestraße 21 D-88499 Riedlingen
Schorntalstraße 24 D-07613 Königshofen/Thüringen
Info@Linzmeier.de www.Linzmeier.de

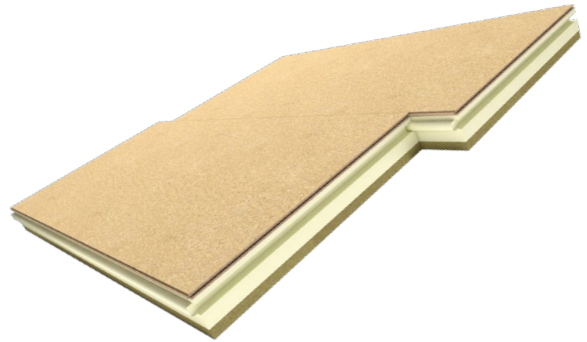
Tel.: +49 (0) 73 71 18 06-0
Tel.: +49 (0) 3 66 91 7 22-0

TD / EN / LINITHERM PAL HWM
Status 2024-03

Technical data

Derived wood panel

from LINITHERM PAL HWM



Property	Formula symbol	Unit	Parameter and measured value	Standard
Material	–	–	Derived wood panel P5	–
Surface finish	–	–	Heat-coated contiprotect surface	–
Gross density	ρ	kg/m ³	650–670	EN 323
Fire behavior	–	–	Class D-s2, d0 or normally inflammable	EN 13501-1
Thermal conductivity	λ_B	W/(mK)	0.13	EN 13986
Emission class	–	ppm	< 0,03	EN 717-1
Gluing	–	–	PMDI	–
Thickness swelling	–	%	≤ 10	EN 317
Water vapour diffusion resistance factor	μ	–	100	–
Nominal thickness of the plywood panel	d	mm	22	–
Usage class	–	–	1 + 2	DIN 1052

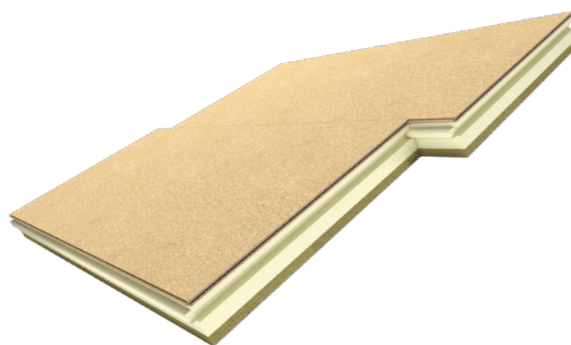
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Note: The details stated above apply under normal conditions of use of the products. They are based on our experience to date and do not represent an assurance of properties. Existing laws/directives/provisions are to be followed by the user at his own responsibility.

Technical data

Sound insulation panel

from LINITHERM PAL HWM



Property	Formula symbol	Unit	Parameter and measured value	Standard
Material	–	–	Mineral wool insulation material	–
Designation	–	–	MW EN 13162 T5-DS(T+)-CS(10)60-WS	EN 13162
Gross density	ρ	kg/m ³	Approx. 135	–
Fire behaviour	–	–	Class A1	EN 13501-1
Thermal conductivity	λ_D	W/(mK)	0.039	EN 13162
Compressive stress	σ_{D10}	N/mm ² kPa	≥ 0.06 (at 10 % compression) 60	EN 826
Water vapour diffusion resistance factor	μ	–	1	EN 12086
Thickness of the sound insulation panel	d	mm	40	–

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