

Technical data

LINITHERM PAL HW

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 (see examination report A3-04/03, FIW München)	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)	–

Our brochures and information material are meant to provide advice to the best of our knowledge. Subject to technical modifications.



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



DIN EN 13165
Inspection: 0751 FIW München



pure life is a seal of approval issued by the UGPU association

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

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Derived wood panel

from LINITHERM PAL HW



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.