

Technical data

LINITHERM PHW

Attic 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	–	–	DEO dh	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
Max. permitted permanent compressive stress	σ_{D2}	N/mm ² kPa	≥ 0.02 (at 2 % compression) ≥ 20	–
Specific thermal capacity	c	J/(kg·K)	1400	EN 12524
Water vapour diffusion equivalent air layer thickness	s_d	m	Aluminium foil area practically vapour-proof $s_d > 1500$	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 incl. 10 mm derived wood panel	–	mm	70, 90, 110, 130, 150, 170	–
Edge connection	–	–	PU rigid foam serrated on all sides, derived wood panel round about with rebated joint	–
Calculation measurement	–	mm	1200 × 600 (cover width 1 cm smaller)	–

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 P5

from LINITHERM PHW



Property	Formula symbol	Unit	Parameter and measured value	Standard
Material	–	–	Derived wood panel P5	EN 300
Surface finish	–	–	Polished	–
Gross density	ρ	kg/m ³	≥ 600	EN 323
Fire behavior	–	–	Class E or normally inflammable	DIN 4102
Thermal conductivity	λ_B	W/(mK)	0.12	EN 13986
Emission class	–	–	Formaldehyde-free bonding, E1	EN 13986
Wood material class Usage class	–	–	NKL 2	EN 13986
Thickness swelling (24 h)	–	%	13	EN 317
Water vapour diffusion resistance factor	μ	–	100	EN ISO 12572
Nominal thickness of the derived wood panel	d	mm	10	–

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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.