

Technical data

LINITHERM PAL GKL

Under-rafter insulation system



 **SENTINEL HAUS
INSTITUT**
Gesünderes Bauen und Wohnen

Property	Formula symbol	Unit	Parameter and measured value	Standard
Material	–	–	Polyurethane rigid foam, coated with aluminium film on both sides	EN 13165
Application type	–	–	DI or WI	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 incl. 9.5 mm gypsum plasterboard	–	mm	49.5 / 69.5	–
System	–	–	With integrated battens for compensating unevenness in the roof structure during installation with adjusting screws	–
Edge connection	–	–	Round about grooved for loose plywood spring (included in delivery)	–
External measurement	–	mm	2500 × 600 (= 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
002-LICPR-200801
www.linzmeier.de/downloads



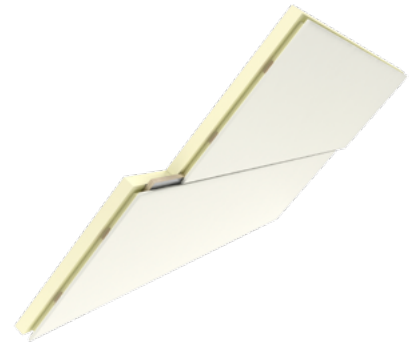
DIN EN 13165
Inspection: 0751 FIW München



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Gypsum plasterboard

from LINITHERM PAL GKL



Property	Formula symbol	Unit	Parameter and measured value	Standard
Material	–	–	GKB (gypsum plasterboard)	DIN 18180
Thermal conductivity	λ_B	W/(mK)	0.21	ISO 10456
Fire behaviour	–	–	Class A2-s1,d0 (B)	EN 13501-1
Gross density	ρ	kg/m ³	≥ 680	DIN 18180
Water vapour diffusion resistance factor	μ	–	Dry 10 Moist 4	ISO 10456
Panel thickness	–	mm	9.5	–
Format	–	mm	2500 × 600	–

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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.