LINZMEIER
Insulate with system

Technical data

LINITHERM PAL SIL

Interior wall insulation

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; WI	DIN 4108-10
Gross density	ρ	kg/m³	≥ 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/mm² 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	Aluminium foil area practically vapour-proof sd > 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. 6 mm silicate panel	–	mm	36, 46, 66	–
Edge connection	–	–	Round about grooved for loose plywood spring (included in delivery)	–
Calculation 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

CE
DIN EN 13165
Inspection: 0751 FIW München

ÜGPU GEPRÜFT PU

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Silicate panel

from LINITHERM PAL SIL

Property	Formula symbol	Unit	Parameter and measured value	Standard
Material	–	–	Conglomerate of silicate, mineral additives and cellulose	EN 12467
Thermal conductivity	λ_B	W/(mK)	0.32	ISO 22007-2.2:2008
Fire behaviour	–	–	Class A1	EN 13501-1
Bending tensile strength	β_{BZ}	N/mm²	> 10	–
Gross density	ρ	kg/m³	Approx. 975 (dry density)	–
Alkalinity	–	ph-Wert	7 to 11	–
Moisture content	–	%	8	–
Change of form (air-dry - saturated)	–	%	+0.12	–
Moisture dispersant	–	%	Approx. 60	–
Edge joints	–	–	Drywall edge	–
Panel thickness	–	mm	6	–
Format	–	mm	2480 × 1180	–

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Advantages of the silicate panel
- Resistant to mould (growth »0« acc. to EN ISO 846)
- Moisture resistant
- Dimensionally stable
- Resistant to pest infestation
- High noise insulation
- Water vapour permeable
- Rot-proof

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.

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