



LINZMEIER

Insulate with system

The insulation system for bright rafter spaces and optimal room climate

Over-rafter insulation system

LINITHERM®

PAL SIL T



Anti-mildew silicate board facing the room



Inside can be plastered,
painted, wallpapered

Permanently high insulation
value – λ_D 0.022

Diffusion membrane with
additional insulation

Installed directly on the rafters

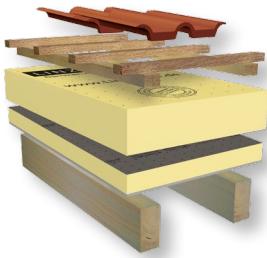
LINITHERM® PAL SIL T combination insulation with silicate board for a cosy feel

LINITHERM PAL SIL T offers all the advantages of a modern insulation system. Thanks to the calcium silicate board, the interior surfaces are created that can be rendered, painted or wallpapered. This also makes it an ideal insulation system, if visible rafters are part of the interior design, e.g. in listed buildings. The top side is coated with a tear-resistant permeable membrane that has approx. 8 cm transverse and lengthwise overlaps plus integrated sealing edge and guarantees together with the edge joint double security in terms of airtightness.

Top quality for reliable protection

With its bevelled edges, the calcium silicate panel is non-flammable, insusceptible to moisture and impacts-resistant.

The right insulation solution for every roof construction



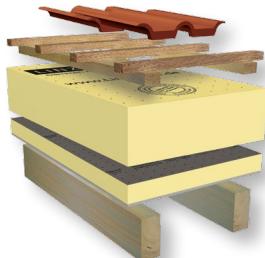
Insulation solution for new and old buildings

LINITHERM PAL SIL T with LINITHERM over-rafter insulation. The visible space in-between rafters can be plastered, painted or wallpapered.



Insulation solution for new and old buildings

LINITHERM PAL SIL T with LINITHERM over-rafter insulation with increased noise insulation. The visible space in-between rafters can be plastered, painted or wallpapered.



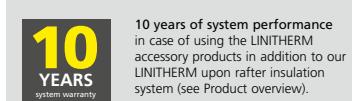
Insulation solution for passive house

LINITHERM PAL SIL T with LINITHERM over-rafter insulation, 240 mm, with visible rafters in the interior.
U-value = 0.09 W/(m²K)



LINITHERM PAL SIL T with additional insulation

Thickness of overall construction (mm)	Thickness PAL SIL T (λ_D 0.022) (mm)	Thickness of additional insulation (mm)	U-value* [W/(m²K)]		
			PAL N+F PAL 2U (λ_D 0.022)	PAL 2UM (λ_D 0.022 + 0.039)	PGV T (λ_D 0.028) (λ_D 0.026) (λ_D 0.025)
116	66	50	-	-	0.23
126	66	60	-	-	0.21
146	66	80	0.16	-	0.18
156	66	90	-	-	-
166	66	100	0.14	-	0.16
186	66	120	0.13	0.14	0.14
206	66	140	0.11	0.12	0.12
226	66	160	0.10	0.11	0.11
246	66	180	0.10	0.10	0.10
266	66	200	0.09	0.09	0.10



10 years of system performance in case of using the LINITHERM accessory products in addition to our LINITHERM upon rafter insulation system (see Product overview).

LINZMEIER

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LINITHERM PAL SIL T with T-Membrane

PH 210010

Insulation core	PU rigid foam acc. to EN 13165, fire behavior class E acc. to EN 13501-1, coated with aluminum film on both sides
Facing	Upper side coated with tear- and slip-resistant membrane, approx. 8 cm overlap lengthwise and transverse, plus integrated factory made sealing band. Inner side with 6 mm thick silicate board (not burnable, resistant to moisture, can be painted, or wallpapered).
Edge joints	Tongue & groove pressfit joints on all sides, silicate board with drywall edge
Overall dimension	2480 x 1180 mm (= calculation measurement)

Thickness mm total	Thickness mm PU	Thickness mm silicate board	Quantity per pallet Piece	λ_D W/(mK)	U-value* [W/(m²K)]
66	60	6	36	0.022	0.34

Other thicknesses upon request.

* Roof pitch according to Linzmeier manufacturer recommendation.
* U-value, taking the thermal transfer resistance $R_{se} = 0.1$ [m²K/W] and $R_{se} = 0.1$ [m²K/W] acc. to EN ISO 6946 into account.

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Subject to changes