

# LINZMEIER

Insulate with system



## The ideal thermal insulation for »lean« roof structures in old and new buildings

Over-rafter insulation system

### LINITHERM®

PAL 2U



Maximum insulation with minimum panel thickness



Lightweight and pressure resistant

Permanently high insulation value –  $\lambda_D$  0.022 W/(mK)

Thermal insulation and underlay

Can be laid on rafters or boarding

Suitable as a temporary roof covering

Driving-rain-safe according to UDB-A

Sarking membrane with printed grid pattern



Meets the QNG requirements for prevention of hazardous substances in insulants. "pure life" is a seal of approval issued by the UGPU association.

[www.Linzmeier.de](http://www.Linzmeier.de)

# LINITHERM® The ideal thermal insulation for »lean« roof structures in old and new buildings

The aluminum coverings on both sides act as a vapour barrier and protect from electro-smog. Thanks to the precise tongue and groove-pressfit joints, the elements can be laid in no time at all. On the upper side the insulation boards are clad with a robust sarking membrane. The overlaps on the long and narrow sides with a factory-made sealing band reliably fulfil the function of a seam and perforation-secure sarking membrane as a second water-bearing level. It also acts as a wind-proof layer. The printed grid pattern makes it easier to cut to size.



**Insulation solution for old buildings**  
Over-rafter insulation LINITHERM PAL 2U, the existing between-rafter insulation can remain and/or is supplemented.



**Insulation solution for new and old buildings**  
Over-rafter insulation LINITHERM PAL 2U, with visible rafters and profiled timber formwork in the interior.



**Insulation solution for new and old buildings**  
Over-rafter insulation LINITHERM PAL 2U with room sided covering.



**Insulation solution for new and old buildings**  
LINITHERM PAL SIL T with LINITHERM PAL 2U over-rafter insulation. The visible space in-between rafters can be plastered, painted or wallpapered.



**Insulation solution for new buildings**  
LINITHERM PAL 2U over-rafter insulation plus full-rafter insulation – the streamlined combination solution for low structure heights.



**Insulation solution for passive house**  
LINITHERM PAL 2U over-rafter insulation, 240 mm, with visible rafters on the inside.  
U-value = 0.09 W/(m<sup>2</sup>K)

-  **≥ 20° roof pitch**  
From 20° pitch
-  **Optimal cold protection**
-  **Optimal heat protection**
-  **Moisture resistant**
-  **Maximum insulation with minimum panel thickness**
-  **Pressure resistant**
-  **Odorless & physiologically free**
-  **Protection against electric smog**
-  **Cuts costs, ensures excellent ROI**
-  **Recyclable**
-  **Positive building biology.**
-  **F30B**  
**Safety in the event of fire**  
Combined with a 19 mm thick matched and slip tongue joint formwork (in accordance with DIN 68122-1/2) LINITHERM PAL N+F also fulfils the requirements of an F30B construction (inspection certificate P-MPA-E-04-025).
-  **10 YEARS system warranty**  
**10 years of system performance** in case of using the LINITHERM accessory products in addition to our LINITHERM upon rafters insulation system (see Product overview).

## LINITHERM PAL 2U PH 210000

<b>Insulation core</b>	PU rigid foam acc. to EN 13165, fire behavior class E acc. to EN 13501-1, coated with aluminum film on both sides
<b>Facing</b>	Upper side coated with a diffusable, tear-resistant and slip-resistant membrane, approx. 8 cm overlap lengthwise and transverse, plus integrated factory-made sealing band
<b>Edge joints</b>	Tongue & groove pressfit joints on all sides
<b>Overall dimension</b>	2420 × 1180 mm (= calculation measurement)

Thickness mm PU	Quantity per pallet Piece	m <sup>2</sup>	λ <sub>D</sub> W/(mK)	U-value** [W/(m <sup>2</sup> K)]
80	30	85.7	0.022	0.26
100	24	68.5	0.022	0.21
120	20	57.1	0.022	0.18
140	17	48.5	0.022	0.15
160	15	42.8	0.022	0.13
*180	13	37.1	0.022	0.12
*200	12	34.3	0.022	0.11
*240	10	28.6	0.022	0.09

Other thicknesses upon request.  
 1) Roof pitch as specified, and in accordance with the rules of the ZVDH (Central Association of German Roofers).  
 \* Might have longer delivery times.  
 \*\* U-value, taking the thermal transfer resistance R<sub>si</sub> = 0.1 [m<sup>2</sup>K/W] and R<sub>se</sub> = 0.1 [m<sup>2</sup>K/W] acc. to DIN EN ISO 6946 into account.

## LINZMEIER

Insulate with system

**Linzmeier Bauelemente GmbH**  
 Industriestraße 21  
 D-88499 Riedlingen  
 Tel.: +49 (0) 73 71 18 06-0

**Linzmeier Bauelemente GmbH**  
 Schortentalstraße 24  
 D-07613 Königshofen/Thüringen  
 Tel.: +49 (0) 3 66 91 7 22-0

Info@Linzmeier.de  
 www.Linzmeier.de

