



LINZMEIER

Insulate with system

The optimal insulation system for a rain- and waterproof roof

Over-rafter insulation system

LINITHERM®

PAL 2U Plus



≥ 12°
roof pitch¹⁾

Sarking membrane
class A for roof pitches
from 12°



Rainproof and
waterproof subroof

Permanently high insulation
value – λ_D 0.022 W/(mK)

Thermal insulation and underlay

For creating a rainproof/water-
proof subroof (with additional
measures)

Suitable as temporary roof
covering

Driving-rain-safe according
to UDB-A

www.Linzmeier.de



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

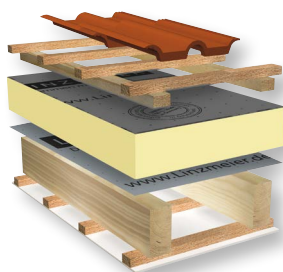
LINITHERM® PAL 2U Plus with premium underlay

The perfectly fitting tongue and groove joint guarantees an insulating surface which is free of thermal bridging and the quick and safe insulation of even large roof spaces. The stable, pressure-resistant insulation core made of PU rigid foam is laminated on both surfaces with aluminum foil. On the top side, a high quality, diffusible and tear-resistant premium sarking membrane with a TPU coating forms the second layer for water transportation.

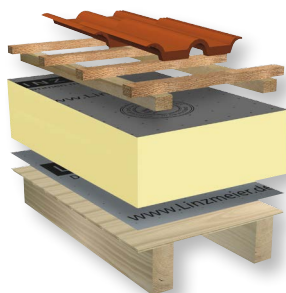
Rainproof/waterproof subroof

The use of the LINITHERM UD cover strips with TPU coating on both sides is necessary for the creation of rainproof/waterproof subroofs. By solvent welding or heat sealing of the cover strip to the sarking membrane a seamless and force-locked connection is produced and by that homogeneous surface, without material change or self-adhesive tape. This eliminates welding with open flames and the associated fire hazard.

The right insulation solution for every roof construction



Insulation solution
for new and old buildings



Insulation solution
for passive house
U-Value = 0.09 W/(m²K)

LINITHERM PAL 2U Plus				PH 21000025
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 a diffusible, tear-resistant and slip-resistant membrane, with both sided TPU coating, approx. 10 cm overlap lengthwise and transverse, plus integrated factory made sealing band. Alternatively, the joint area can be welded to one another with LINITHERM solvent-welding equipment or hot air.			
Edge joints	Tongue & groove pressfit joints on all sides			
Overall dimension	2420 × 1180 mm (= calculation measurement)			

Thickness mm PU	Quantity per pallet		λ_D W/(mK)	U-value** [W/(m²K)]
	Piece	m²		
*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

Rainproof/waterproof subroof possible (with additional measures).

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 $R_{Sj} = 0.1$ [m²K/W] and $R_{Se} = 0.1$ [m²K/W] acc. to EN ISO 6946 into account.

From 12° roof pitch

Optimal cold protection

Optimal heat protection

Moisture resistant

Thin with maximum insulation

Easy & pressure resistant

Odorless & physiologically safe

Protection against electric smog

Cuts costs, ensures excellent ROI

Recyclable

Positive building biology.

F30B

Safety when things heat up
In combination with a 19 mm thick tongue and groove timber formwork (as per DIN 68122-1/2), LINITHERM PAL U PLUS also fulfils the requirements on a F30B construction (certification report P-MPA-E04-025).

10 YEARS
system warranty

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

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

