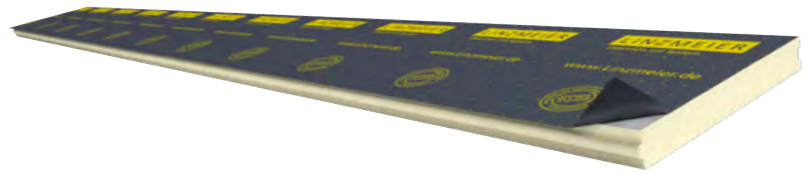


Technical data

LINITHERM PAL XXL

Over-rafter Insulation system



Property	Formula symbol	Unit	Parameter and measured value	Standard
Material	-	-	Polyurethane rigid foam, coated with aluminium film on both sides	EN 13165
Application type	-	-	DAD	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	-	mm	120, 160	-
Edge connection	-	-	Lengthwise with tongue & groove pressfit joints, transverse with edgeless cut	-
Width	-	mm	1180	-
Fix length	-	m	From 6.00 to 12.00 (minimum 6 elements per fixed length)	-

Our brochures and information material are meant to provide advice to the best of our knowledge. Subject to technical modifications.



Declaration of Performance
001-LICPR-200801
www.linzmeier.de/downloads



DIN EN 13165
Inspection: 0751 FIW München

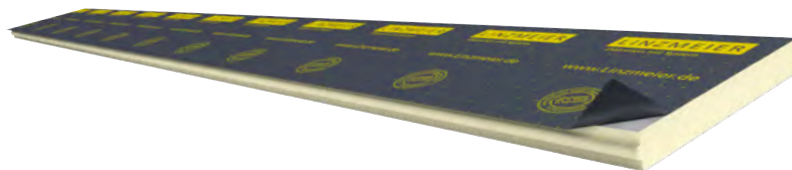


pure life is a seal of approval issued by the USGPU association

Technical data

Sarking membrane

from LINITHERM PAL XXL



Property	Formula symbol	Unit	Parameter and measured value	Standard
Material	-	-	PES fleece with both sided TPU coating	-
Weight	-	g/m ²	≥ 330	-
Colour, top side	-	-	Grey	-
Protrusion to insulation panel	-	-	Approx. 10 cm overlap lengthwise, plus integrated factory-made sealing band. Alternatively, the joint area can be welded to one another with LINITHERM solvent-welding equipment or hot air.	-
Classification acc. to ZVDH (Central Organisation of the German Roofing Trade)	-	-	UDB-A from a roof pitch of 12°	-
Increased rain safety	-	-	Complies with the requirements of ÖNORM B 3661 for UD Typ II	-
Watertightness test Technical University of Berlin	-	-	Passed	-
Water vapour diffusion equivalent air layer thickness	s _d	m	0.18	-
Maximum tensile strength	-		Longitudinal: 300 Transverse: 350	EN 12311-1
Maximum tensile strength and deformation	-	%	Longitudinal: 40 +/- 10 Transverse: 50 +/- 10	EN 12311-1
Tear resistance (nail shaft)	-	N	Longitudinal: 225 Transverse: 225	EN 12310-1
Operating temperature range	-	°C	-40 to +80	-
UV stability	-	Month	Max. 3	-
Temporary roof covering	-	Week	Max. 4	-
Fire behaviour	-	-	Class E or normally inflammable	EN 13501-1
Web width	-	m	1.28	-
Resistance against water penetration	-	-	W1	EN 1928

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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.