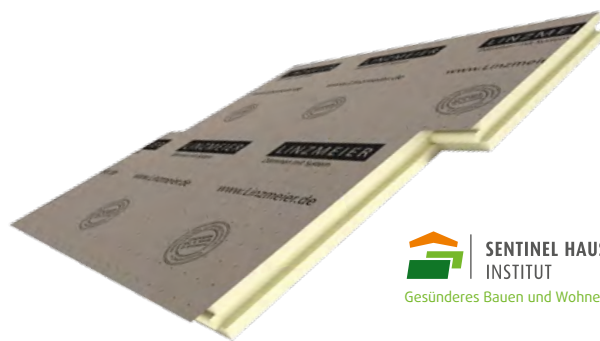


Technical data

LINITHERM PGV T

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)	0.029 for panel thickness < 80 mm 0.027 for panel thickness ≥ 80 to 119 mm 0.026 for panel thickness ≥ 120 mm	DIN 4108-4
Thermal conductivity (EU)	λ_D	W/(mK)	0.028 for panel thickness < 80 mm 0.026 for panel thickness ≥ 80 to 119 mm 0.025 for panel thickness ≥ 120 mm	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 resistance factor	μ	-	40 / 200	DIN 4108-4
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	50, 60, 80, 100, 120, 140, 160, 180, 200	-
Edge connection	-	-	Tongue & groove pressfit joints on all sides	-
Overlap	-	mm	2420 x 1180 (= 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
003-LICPR-200801
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DIN EN 13165
Inspection: 0751 FIW München

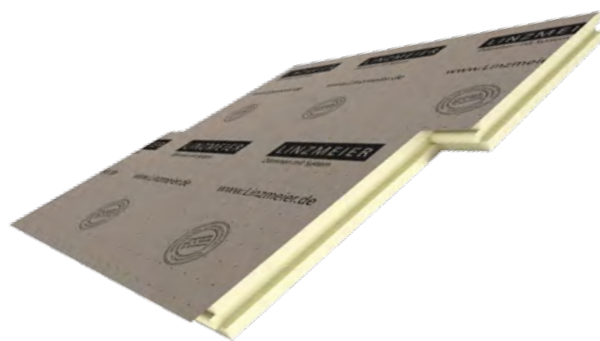


pure life is a seal of approval issued by the USPU association

Technical data

Sarking membrane

from LINITHERM PGV T



Property	Formula symbol	Unit	Parameter and measured value	Standard
Material	-	-	3-layer PP fleece-foil combination	-
Colour top side	-	-	Grey with printed grid pattern	-
Protrusion to insulation panel	-	-	Transverse and lengthwise approx. 8 cm plus integrated factory-made sealing band	-
Classification acc. to ZVDH (Central Organisation of the German Roofing Trade)	-	-	UDB-A from a roof pitch of 20°	-
Watertightness test Technical University of Berlin	-	-	Passed	-
Water vapour diffusion equivalent air layer thickness	s_d	m	Approx. 0.02	EN ISO 12572
Maximum tensile strength	-	N/5 cm	Longitudinal: 360 Transverse: 270	EN 12311-1
Maximum tensile strength and deformation	-	%	Longitudinal: 70 Transverse: 50	EN 12311-1
Tear resistance (nail shaft)	-	N	Longitudinal: 220 Transverse: 290	EN 12310-1
Operating temperature range	-	°C	-40 to +100	-
Temporary roof covering	-	Week	4	-
Fire behaviour	-	-	Class E or normally inflammable	EN 13501-1
Web width	-	m	1.26	-
Weight	-	g/m ²	Approx. 165	-
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.