



Technical data

LINITHERM PAL Uni N+F

External wall insulation

Property	Formula symbol	Unit	Parameter and measured value	Standard
Material	-	-	Polyurethane rigid foam, coated with aluminium film on both sides, low-glare on one side	EN 13165
Application type	-	-	WAB or WZ	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
Temperature resistance	-	°C	-30 to +90	-
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	80, 100, 120, 140, 160	-
Edge connection	-	-	Tongue & groove pressfit joints on all sides	-
Overlap	-	mm	1200 x 600 (calculation measurement) (coverage with tongue & groove is 2 cm smaller)	-

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



Declaration of Performance
002-LICPR-200801
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DIN EN 13165
Inspection: 0751 FIW München



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