

Technical data

LINITHERM PAL S

Ceiling insulation system



Property	Formula symbol	Unit	Parameter and measured value	Standard
Material	-	-	Polyurethane rigid foam, coated with aluminium film on both sides Visible side: aluminium film, white lacquered	EN 13165
Application type	-	-	DI	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
Tensile strength perpendicular to the panel surface	σ_{mt}	N/mm ² kPa	≥ 0.05 ≥ 50	EN 1607
Water vapour diffusion equivalent air layer thickness	s_d	m	Aluminium foil area practically vapour-proof > 1500	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	40, 60, 80, 100	-
Edge connection	-	-	Round about grooved for H-type joint profile	-
Overlap	-	mm	3000 x 1200 (= 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
002-LICPR-200801
www.linzmeier.de/downloads



DIN EN 13165
Inspection: 0751 FIW München



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

* „pure life“ certification applies to PU insulation board