

## Technical data

# LINITHERM PAL KD white

Cellar 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: aluminum film, white lacquered	EN 13165
Application type	-	-	DI	DIN 4108-10
Gross density	$\rho$	kg/m <sup>3</sup>	≥ approx. 33	-
Fire behaviour	-	-	Class E or normally inflammable	EN 13501-1
Thermal conductivity (D)	$\lambda_B$	W/(mK)	0.023	DIN 4108-4
Thermal conductivity (EU)	$\lambda_D$	W/(mK)	0.022	EN 13165
Temperature resistance	-	°C	-30 to +90	-
Compressive stress	$\sigma_{D10}$	N/mm <sup>2</sup> 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	40, 60, 80, 100	-
Edge connection	-	-	Round about grooved for H-type joint profile	-
Overlap	-	mm	1200 x 600 (= 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  
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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