

Technical data

LINITHERM PAL KD BioZell®

Cellar ceiling insulation system



Property	Formula symbol	Unit	Parameter and measured value	Standard
Material	–	–	Polyurethane rigid foam, coated with aluminium film on both sides	EN 13165
Material room side	–	–	Ecological fine plaster on a mineral base	–
Application type	–	–	DI	DIN 4108-10
Gross density	ρ	kg/m ³	≥ approx. 33	–
Fire behaviour	–	–	Class C-s2,d0*	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
Specific thermal capacity	c	J/(kg·K)	1400	EN 12524
Water vapour diffusion equivalent air layer thickness	s_d	m	> 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	60, 80, 100	–
Edge connection	–	–	Tongue & groove joints on all sides	–
Overlap	–	mm	1200 × 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.

*examined from the coated visible side.



Declaration of Performance
012-LICPR-210801
www.linzmeier.de/downloads



DIN EN 13165
Inspection: 0751 FIW München

