



## Technical data

# LINITHERM PAL W

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; WZ	DIN 4108-10
Gross density	$\rho$	kg/m <sup>3</sup>	≥ approx. 33	-
Fire behaviour	-	-	Class C-s2,d0 (corresponds to national building inspection class „flame retardant“)	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	Aluminium foil area practically vapour-proof $s_d > 1500$	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	80, 100, 120, 140, 160	-
Edge connection	-	-	Round about edgeless cut or with rebated joint	-
Overlap	-	mm	1200 x 600 (coverage is 2 cm less with rebated joint)	-

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

### Advice on fire behavior:

Requirements from the respective state building code and from special approvals, e.g. facade cladding, must be observed!



Declaration of Performance  
007-LICPR-200801  
[www.linzmeier.de/downloads](http://www.linzmeier.de/downloads)



DIN EN 13165  
Inspection: 0751 FIW München



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