



LINITHERM PGV

Insulation for flat roofs (thermal surface protection of waterproofing is required typically), under screed, on the top floor ceiling, terraces, cavity walls etc.

LINITHERM PGV, technical Data

Characteristic	Symbol	Unit	Parameter and measured value	Norm
Material	-	-	Polyurethane-rigid foam, covered with glass fleece on both sides	-
bulk density	ρ	kg/m ³	≥ ca. 33	-
fire behaviour	-	-	class E	DIN EN 13501-1 DIN 4102
thermal conductivity (EU)	λ_D	W/(mK)	0,028 for board thickness < 80 mm 0,026 for board thickness ≥ 80 bis 119 mm 0,025 for board thickness ≥ 120 mm	EN 13165
useable temperature range	-	°C	-30 bis +90, kurzzeitig bis +250	-
compression strength	σ_{D10}	N/mm ²	≥ 0,10 (at 10% compression)	EN 826
max. allowed longterm compression load	σ_{D2}	N/mm ²	≥ 0,02 (at 2% compression)	-
thermal expansion coefficient	α	K ⁻¹	3 bis 7 x 10 ⁻⁵	adaption to EN 1604
specific heat capacity	c	J/(kg·K)	1400	EN 12524
Water vapor diffusion resistance factor	μ	m	40 / 200	DIN V 4108-4
water absorption Polyurethane-rigid foam after 28 days under water storage	-	Vol-%	1,0 to 2,5	EN 12087
resistance of Polyurethane-rigid foam	-	-	chemical resistant against benzine, diesel, mineral oil, microorganism, mildew, rotting	-
thickness	-	mm	20, 30, 40, 50, 60, 80, 100, 120, 140, 160, 180, 200, 220, 240	-
edge connection	-	-	thickness 20 - 40 mm : all around with blunt cut, thickness 50 - 100 mm and 200 mm: all around with blunt cut or rabbet edges thickness 120 - 240 mm: all around with rabbet edges	-
overall dimensions	-	mm	1200 x 600 mm (calculation measurement, covered measurement with rabbet edges 20 mm smaller)	-
approval number	-	-	Z-23.15-1436	-

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Our brochures and datasheets should inform to the best of our knowledge. Subject to technical changes.