

Technical Data

GLAPOR Cellular Glass Board PG 1600



characterization:

- EN 13167: Thermal insulation products for buildings
 ETA-20/0220: External horizontal and vertical thermal insulation of in-ground constr. in non-structural applications (also in case of groundwater)
 ETA-20/0220: Load bearing layer and thermal insulation underneath foundation slabs

application areas:

External and internal insulation of roof, ceiling and walls, internal insulation for floors, under screed, behind cladding, against soil, Thermal insulation outside the scope of EN 14305
 Abbreviations of the areas of application: DAD, DAA dx, DI, DEO, WAB, WAA, WAP, WZ, WI, WTR, PW dx, PB dx

characteristics: general	performance	dimension	specification / value
product / material / composition	100	%	high-quality recycled glass
colour	grey		
characteristics: EN	performance	dimension	specification / value
Density $\pm 10\%$	155	kg/m ³	EN 1602
Thermal conductivity λ_D	0,058	W/mK	EN 12667 / EN 12939
Compressive strength	1600	CS(Y)	EN 13167
Bending strength	600	BS	EN 13167
Tensile strength	150	TR	EN 13167
Point load	0,5	PL(P)	EN 13167
Reaction to Fire	A 1	Euroclass	EN 13501-1
characteristics: national (Germany)	performance	dimension	specification / value
Calculation value for thermal conductivity	0,060	W/mK	DE: AbZ / ABg Z-23.34-2116
Thermal conductivity $\lambda_{10^\circ\text{C}}$	0,058	W/mK	EN 12667 / EN 12939
Thermal conductivity $\lambda_{-160^\circ\text{C}}$	0,036	W/mK	EN 12667 / EN 12939
Thermal conductivity $\lambda_{+150^\circ\text{C}}$	0,082	W/mK	EN 12667 / EN 12939
Nominal value for compressive strength $f_{c,\text{Nenn}}$	1600	kPa	EN 826
Calculation value for compressive strength f_{cd}	670	kPa	DE: AbZ / ABg Z-23.34-2116
Average compressive strength	≥ 1900	kPa	ETA-20/0220
5 % fractile of compressive strength	≥ 1675	kPa	ETA-20/0220
further characteristics	performance	dimension	specification / value
Specific heat	900	J/kg·K	
Thermal expansion coefficient	$9,0 \cdot 10^{-6}$	K ⁻¹	
Water vapor diffusion resistance value μ	∞		characteristic value = 40 000
Elasticity mod. (D = 120 mm, 2 parts 2 mm bitumen capping)	~ 150	N/mm ²	
application temperature	- 270 to + 450	°C	
German disposal key	AVV 170202		German waste directory
delivery format / Package	performance	dimension	specification / value
thickness ± 2	80, 100, 120 mm		EN 823
Length ± 2	800 (600, 1200) mm		EN 822
Width ± 2	600 (400, 800) mm		EN 822
Packaging	euro-pallet		

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