

Technical Data

GLAPOR Cellular Glass Board PG 600.3



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)

application areas according to German standards:

DIN 4108-10:2021

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 ds, DI, DEO, WAB, WAA, WAP, WZ, WI, WTR, PW ds, PB ds

characteristics: general	performance	dimension	specification / value
product / material / composition	100	%	high-quality recycled glass
colour	grey		
characteristics: EN	performance	dimension	specification / value
Density $\pm 10\%$	130	kg/m ³	EN 1602
Thermal conductivity λ_D	0,052	W/mK	EN 12667 / EN 12939
Compressive strength	600	CS(Y)	EN 13167
Bending strength	450	BS	EN 13167
Tensile strength	150	TR	EN 13167
Point load	1	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	0,054	W/mK	DE: AbZ / ABg Z-23.34-2115
Nominal value for thermal conductivity	0,052	W/mK	CH: SIA 279:2018
Nominal value for compressive strength $f_{c,Nenn}$	600	kPa	EN 826
Calculation value for compressive strength f_{cd}	250	kPa	AbZ / ABg Z-23.34-2116
Average compressive strength	≥ 800	kPa	EN 826
5 % fractile of compressive strength	≥ 625	kPa	ETA-20/0220
further characteristics	performance	dimension	specification / value
Specific heat	900	J/kg·K	
Thermal expansion coefficient	9,0 · 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)	~ 100	N/mm ²	
German disposal key	AVV 170202		German waste directory
delivery format / Package	performance	dimension	specification / value
thickness ± 2		30, 40, 60, 80, 100, 120, 140 mm	EN 823
Length ± 2		800 (600, 1200) mm	EN 822
Width ± 2		600 (400, 800) mm	EN 822
Tapered		1; 1,7; 2; 2,5; 3,3; 5 % 1:100, 1:58, 1:50, 1:40, 1:33, 1:20	non-standard sizes: available on request
Packaging		euro-pallet	

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