

Unique identification code of the product type	Granuglass - expanded glass - M270-1, M340-1, M400-1, M340-2, M270-2, M270-3
Product origin	The product is made of natural perlite ore - without other additives
Intended use or uses:	Lightweight aggregate: glass granules expanded from Perlite ore for unbound and hydraulically set bituminous mixtures and for surface compaction
System(s) for assessment and verification of performance constancies:	4
Harmonized standard:	EN 13055-2: 2004 Lightweight aggregates - Part 2: Lightweight aggregates for unbound and hydraulically bound bituminous mixtures and surface treatments

Declared performance properties (according to Annex ZA / table 1)

BASIC PERFORMANCE PROPERTIES	UNIT	Values						
		M270-1	M340-1	M400-1	M340-2	M270-2	M270-3	M230
Bulk density (EN 1097-3)	[kg/m <sup>3</sup> ]	270	340	400	340	270	270	230
Particle density (EN 1097-3, addition C)	[kg/m <sup>3</sup> ]	580	680	720	640	560	670	540
Particle size (EN 933-1)	mm	0,1-0,3	0,1-0,3	0,1-0,3	0,25-0,5	0,25-0,5	0,5-1,0	1,0-2,0
Fine particles (EN 13055-2)	mm	NPD						
Water absorption (EN 1097-6, dodatek C)	[Vol%]	11	12	15	8	9	6	5
Water absorption (EN 13055-2)	%	< 0,2% mass						
Fragmentation/crush resistance (EN 13055-1)	N/mm <sub>2</sub>	2,7	3,3	4,5	2,5	2,7	1,2	1,1
Resistance to freezing and thawing (EN 13055-2, addition. B)	[%]	NPD						
Thermal shock resistance (EN 13055-2)		NPD						
Thermal conductivity,	W/(m*K)	0,082	0,08	0,085	0,076	0,082	0,08	0,072
Flammability class	class	Incombustible						
pH value	-	6,5-8,0						
color	-	white / light beige						

The performance properties of the product specified above are consistent with the set of declared performance properties. This declaration of performance is issued in accordance with Regulation (EU) CPR No. 305/2011 under the sole responsibility of the manufacturer identified above

Signed on behalf of the manufacturer

**PORAGLASS sp.z.o.o**  
ul. Pomorska 26, lok.2  
45-321 Opole, Poland  
NIP: 7543364885 Regon: 527087734 KRS: 0001072906  
tel. +48 77 441 69 86 tel. +48 509 260 511  
mail: info@poraglass.pl

Maciej Dominik / CEO

Poland, Opole 1.12.2023